



# PRODUCT BROCHURE

Waterproofing Products



[www.oyhglobal.com](http://www.oyhglobal.com)

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## Who We Are

Founded in 1995, OYH has nearly three decades of expertise in building materials industry, providing comprehensive solutions for major infrastructure projects, industrial buildings, as well as residential and commercial constructions worldwide. With a core focus on Waterproofing and Mortar Technologies, the group has expanded across both upstream and downstream sectors, establishing an integrated building materials service system that includes multiple business segments including building waterproofing, non-woven fabrics, architectural coatings, building renovation, energy-efficient insulation, specialty film, mortar and powder-based building products, and specialty chemicals.



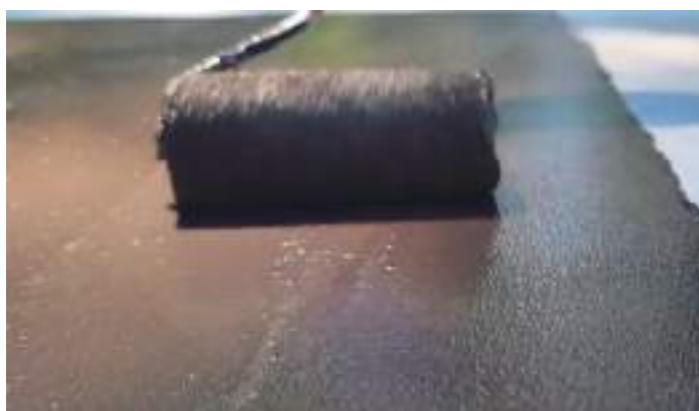
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## PART 1

# Polymer-Modified Bitumen

## Membranes and Coatings



\* This mark means that the brochure does not include a single-page introduction to the product. For details, please contact the technical support.

### YHShield-7401 (OYH TORCH-700)/ YHShield-7402 SBS Modified Bituminous Waterproof Membrane

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\*UV resistance only refers to mineral top membrane

### YHShield-7501 (OYH TORCH-710) APP Modified Bituminous Waterproof Membrane

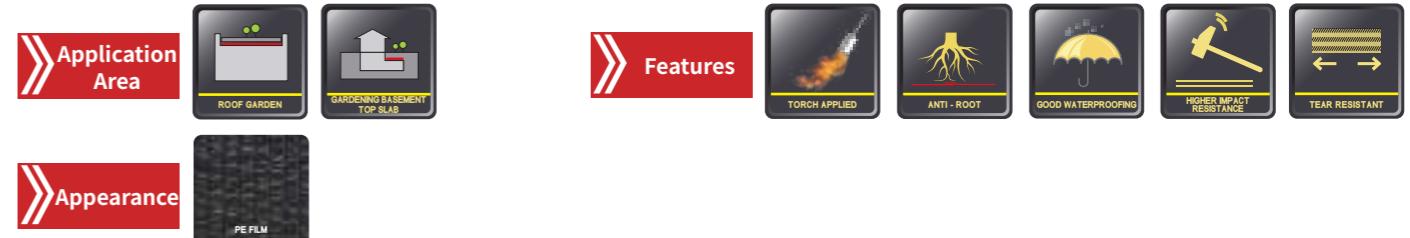
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\*UV resistance only refers to mineral top membrane

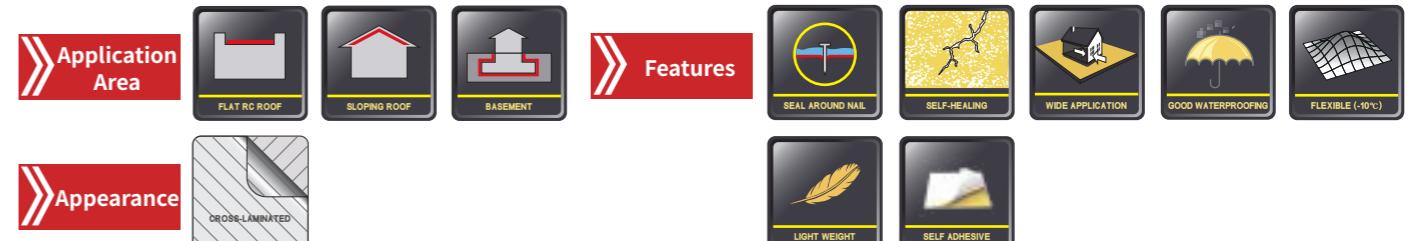
### YHShield-7601 (OYH TORCH-701) Root-Resistant SBS Modified Bituminous Waterproof Membrane

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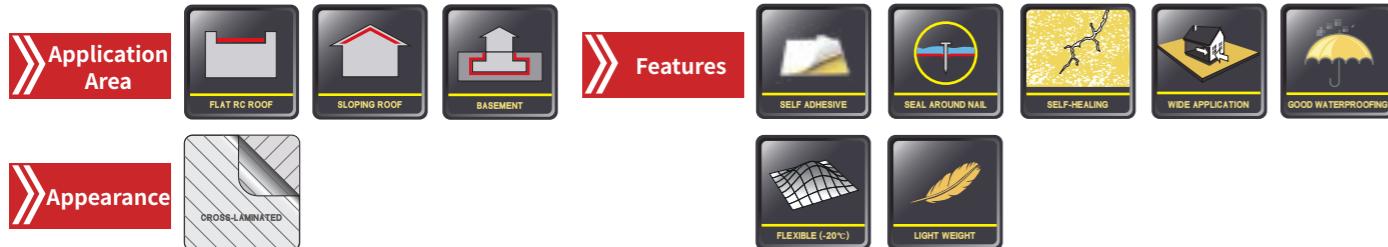


### YHStick-9301 (OYH STICK-711E) Self-adhesive Bituminous Waterproof Membrane

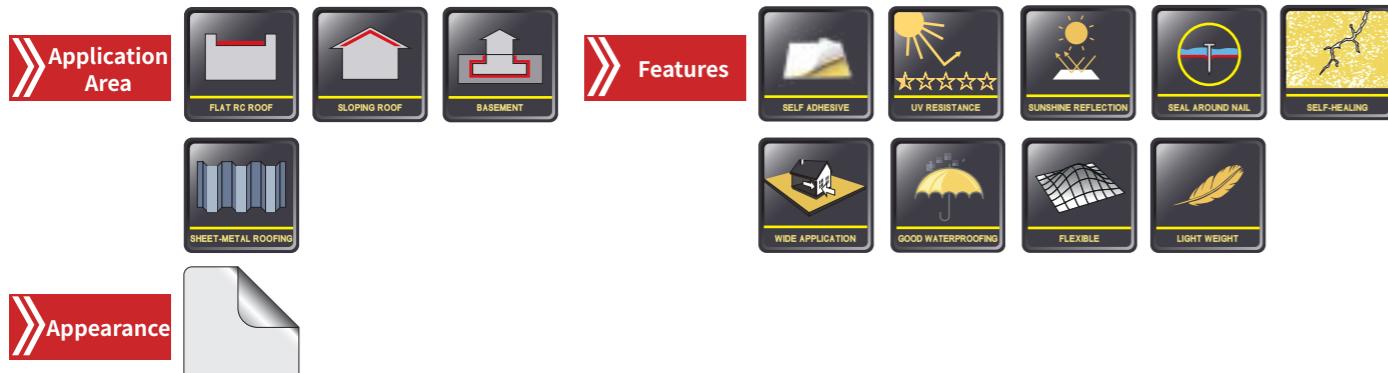
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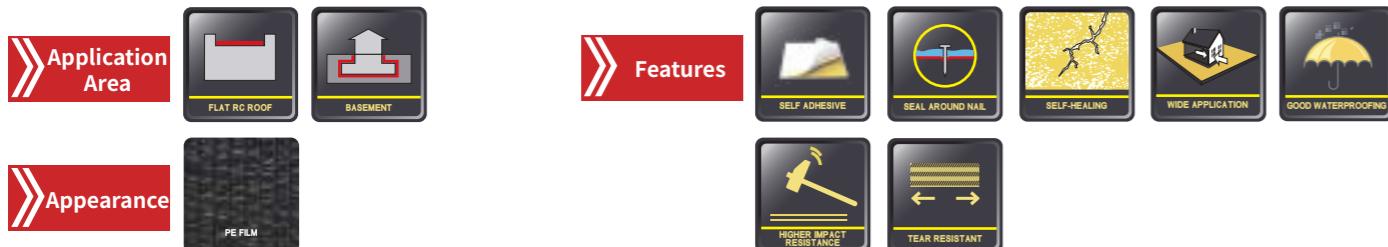
**YHStick-9310**  
Self-adhesive Bituminous Waterproof Membrane



**YHStick-9321**  
Self-adhesive Bituminous Waterproof Membrane



**YHStick-9801 (OYH STICK-716)**  
Self-adhesive Bituminous Waterproof Membrane

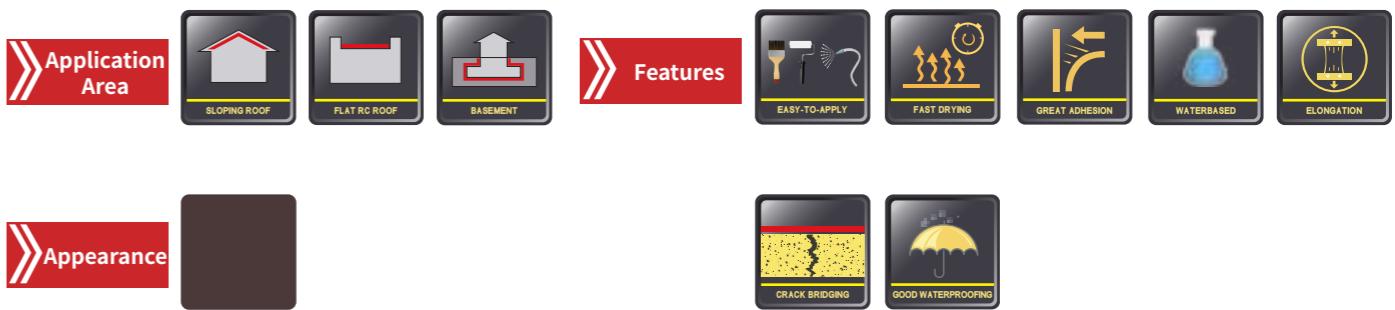


**YuGuard-9IWS**  
Self-adhered Roofing Underlayment



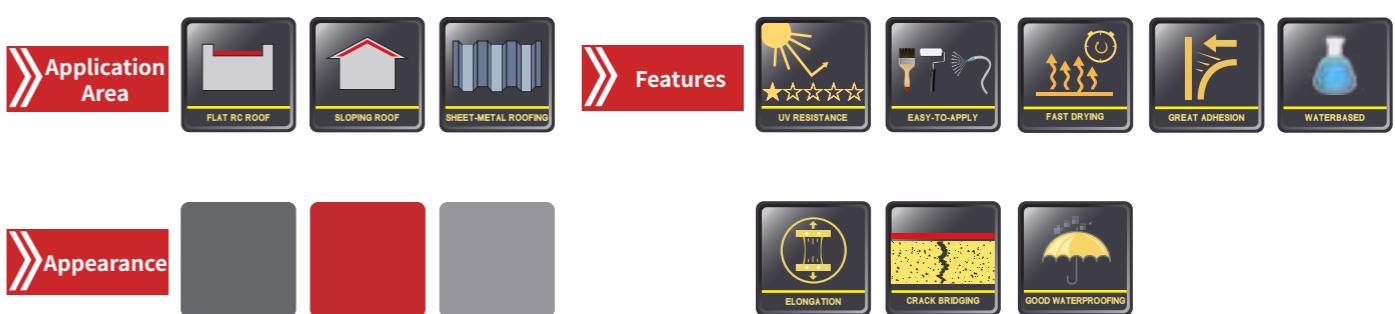
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**YHBitucoat-4600**  
Waterborne Bitumen Waterproofing Coating



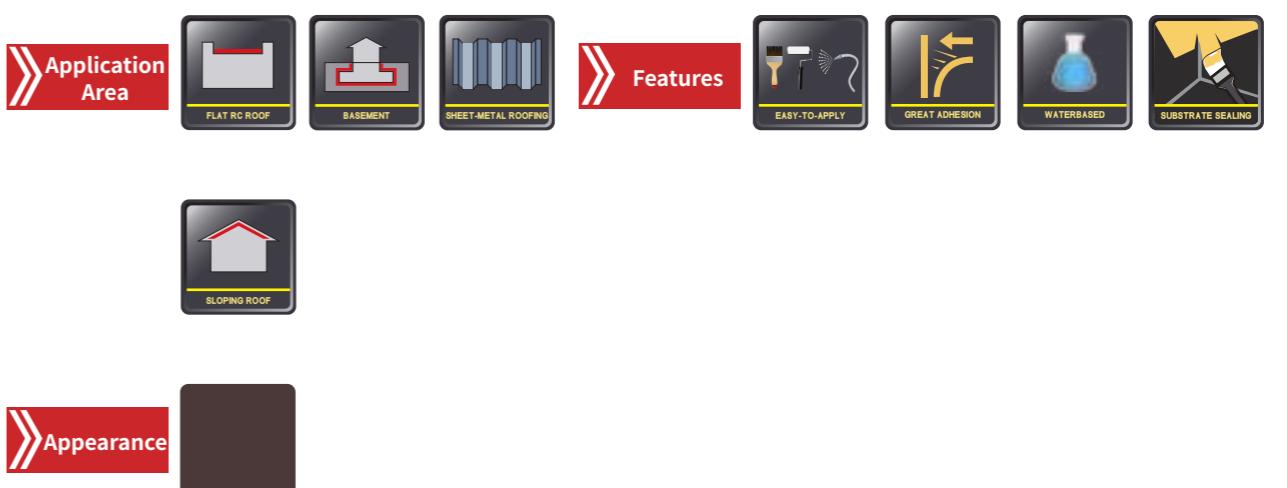
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**YHBituRoof-4700**  
Exposed Multicolor Waterborne Asphalt Waterproofing Coating



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**YHBituprimer-4035**  
Water-based Bitumen Primer



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# YHShield-7401 (OYH TORCH-700)

SBS Modified Bituminous Waterproof Membrane

## DESCRIPTION

YHShield-7401 is a high-performance flexible SBS elastomeric bituminous waterproofing membrane with a strong, resilient, non-woven polyester reinforcement. The membranes are available in a variety of thicknesses in smooth and granule surfaces, and demonstrate superior heat resistance, low-temperature flexibility, exceptional mechanical properties, and robust resistance to mechanical damage.

## SCOPE OF APPLICATION

It is used as a waterproofing membrane for protection of various substrates in a wide range of application, such as:  
 Waterproofing and damp-proofing of basements against permanent water submersion and damp soils, including pile capping and foundations.  
 Waterproofing of retaining walls.  
 Waterproofing on flat roofs under protective layers or ballast.  
 Waterproofing on balconies, terraces and wet rooms under screed / tiles.

## SPECIFICATION AND PACKAGING

Item	Description
Packaging	Roll
Width (m)	1
Length (m)	10
Thickness (mm)	3, 4
Roll Size (m <sup>2</sup> )	10
Upper Surface Material	Polyethylene film (PE), Sand (S) and Mineral granules (M)
Lower Surface Material	Polyethylene film (PE)
Shelf Life	12 months



## PRODUCT FEATURE

- Excellent resistance to hydrostatic water.
- Low vapor transmission.
- High temperature stability and low temperature flexibility.
- Good resistance to mechanical impact.

## TYPICAL PROPERTIES

Description	Test Methods	Typical Values
Tensile Strength (L/T) (N/50mm)	EN 12311-1	700 / 600 ( $\pm 20\%$ )
Elongation at Break (L/T) (%)	EN 12311-1	35 / 40 ( $\pm 15\%$ )
Tear Strength (L/T) (N/mm)	EN 12310-2	180 / 200 ( $\pm 30\%$ )
Heat / Flow Resistance @ 90°C	EN 1110	No Flow
Low-temperature Flexibility (-10°C)	EN 1109	No Crack

# YHShield-7501 (OYH TORCH-710)

APP Modified Bituminous Waterproof Membrane

## DESCRIPTION

YHShield-7501 is a high-performance, APP-modified bituminous waterproofing membrane manufactured from premium bitumen modified with selected polymers, and reinforced with a strong, resilient, non-woven spun-bonded polyester fabric. The modification process enhances its flexibility, strength, and resistance to harsh environmental conditions. It features excellent heat resistance and good mechanical performance. are available in a variety of thicknesses in smooth and granule surfaces.

## SCOPE OF APPLICATION

APP membrane systems are ideally suited for new roofing and re-roofing application for commercial and residential construction that involve exposure to harsh environments or extreme temperatures, and can also be used in a variety of below-grade waterproofing.



## SPECIFICATION AND PACKAGING

Item	Description
Package	Roll
Width (m)	1
Thickness (mm)	3, 4
Length (m)	10
Roll Size (m <sup>2</sup> )	10
Upper Surface Material	Polyethylene film (PE), Sand (S) and Mineral granules (M)
Lower Surface Material	Polyethylene film (PE)
Shelf Life	12 months



## PRODUCT FEATURE

- High-quality modified compounds with select grades of refined asphalt contribute to durability, flexibility, and strength.
- Strength is reinforced with a high-quality non-woven polyester fabric.
- Excellent water and vapor resistance.
- High puncture and fatigue strength.

## TYPICAL PROPERTIES

Item	Test Methods	Typical Values
Tensile Strength (L/T) (N/50mm)	EN 12311-1	850 / 750 ( $\pm 20\%$ )
Elongation at Break (L/T) (%)	EN 12311-1	35 / 40 ( $\pm 15\%$ )
Tensile Shear at Joint (N/50mm)	EN 12317-1	650 ( $\pm 20\%$ )
Heat / Flow Resistance @ 120°C	EN 1110	Pass
Low-Temperature Flexibility (0°C)	EN 1109	No Crack
Tear Strength (L/T) (N/mm)	EN 12310-2	180 / 200 ( $\pm 30\%$ )

# YHStick-9301 (OYH STICK-711E)

Self-adhesive Bituminous Waterproof Membrane

## DESCRIPTION

YHStick-9301 is a self-adhesive, fully bonded, post-applied, bituminous waterproofing sheet membrane. It is available in 2 types, the single-side self-adhesive and double-side self adhesive membrane.

Single-side self-adhesive membrane: Comprises of a cross-laminated HDPE film pre-coated with SBS-modified bitumen compound, with a release liner on the underside.

Double-side self-adhesive membrane: Consists of a layer of polymer-modified bitumen adhesive with release liners on both sides.

## SCOPE OF APPLICATION

The product is designed for non-exposed applications: Basements, foundation, basement slabs, basement wall, podium slabs, and concealed roofs.

## SPECIFICATION AND PACKAGING

Item	Description	
	Single-Side Self-adhesive	Double-Side Self-adhesive
Width (m)	1	1
Thickness (mm)	1.5, 2.0	1.5
Length (m)	20	20
Roll Size (m <sup>2</sup> /roll)	20	20
Upper surface	HDPE cross-laminated film	Release film
Lower surface	Release film	Release film
Shelf Life	12 months	

## PRODUCT FEATURE

- Safe, easy and fast installation. Direct application on wet substrate.
- Excellent initial and long term adhesion.
- For single-side self-adhesive membrane: Excellent mechanical resistant, such as high tensile strength, Good puncture and tear, and high nail shank tear strength, good dimensional stability.
- Resistant to chemical corrosion: Resistant to most soil conditions, the membrane is designed to provide effective protection against soils and groundwater.

## TYPICAL PROPERTIES (For single-side self-adhesive membrane)

Item	Test Methods	Typical Values
Water Vapour Transmission [g/(m <sup>2</sup> · h)]	ASTM E96 / E96M	< 0.3
Tensile Strength (L/T) (N/mm)	ASTM D412	≥ 4 / ≥ 4
Elongation at Break (L/T)[%]	ASTM D412	≥ 300 / ≥ 300
Tear Strength (L/T) (N/mm)	ASTM D624	≥ 25 / ≥ 25
Peel Adhesive to Concrete (N/mm)	ASTM D903	≥ 1.5
Low Temperature Flexibility (-10°C)	ASTM D1970	No Crack



# YuGuard-9IWS

Self-adhered Roofing Underlayment

## DESCRIPTION

YuGuard-9IWS self-adhered roofing underlayment is a premier membrane made of an aggressive rubberized asphalt adhesive combined with a slip-resistant coated high-performance modified polyethylene film. The rubberized asphalt surface is protected by a foldless release liner that is easily removed during application, ensuring a strong bond to the roof deck.

## SCOPE OF APPLICATION

It is suitable for sloped and flat roofs, under mechanically attached roof coverings such as asphalt shingles, slate, tile, cedar, and standing seam metal in many climate and assembly conditions.

## SPECIFICATION AND PACKAGING

Item	Description
Packaging	Roll
Width	39.4 in (1m)
Length	68.6 ft (20.9m)
Thickness	40 mils (1.0mm)
Roll Size	225 ft <sup>2</sup> (20.9m <sup>2</sup> )
Upper surface Material	Anti-skid high-strength film
Lower Surface Material	Release film
Shelf Life	12 months



## PRODUCT FEATURE

- Seals around fasteners: The rubberized asphalt layer in membrane seals around fasteners, resisting leakage caused by water back-up behind ice dams, or from wind-driven rain.
- Superior Adhesion to the Deck: The self-adhesive membrane bonds firmly to the roof deck without need for heat or special adhesives.
- Long-Lasting Durability: Designed to resist cracking, drying, or rotting. It stands up to fungus and bacterial growth, ensuring long-term performance and protection.

## TYPICAL PROPERTIES

Item	Test Methods	Typical Values
Tensile Strength (MD/CD), psi (kN/m <sup>2</sup> )	ASTM D412-16 Method A	≥800 (6000)
Elongation at Break (MD/CD) (%)	ASTM D412-16 Method A	≥ 200
Low temperature Flexibility,-20.2°F (-29°C)	ASTM D1970 / D1970M-21	No Crack
Water Vapour Permeance, Perms [ng/(Pa·s·m <sup>2</sup> )]	ASTM E96 / E96M-22	≤ 0.035 (2)
Tear Strength (MD/CD), lbf(N)	ASTM D1970 / D1970M-21	≥ 33.72 (150)
Peel strength-Adhesive to Concrete, lbf/in (N/mm)	ASTMD903-98	≥ 11.42 (2.0)
Peel strength-Adhesion to Steel, lbf/in (N/mm)	ASTMD903-98	≥ 11.42 (2.0)
Peel strength-Adhesion to Plywood, lbf/in (N/mm)	ASTMD903-98	≥ 5.71 (1.0)

# YHBitucoat-4600

Waterborne Bitumen Waterproofing Coating

## DESCRIPTION

YHBitucoat-4600 is a high-performance, self-developed emulsified asphalt coating formulated with premium polymer emulsion. Enhanced with specialized additives and graded fillers, this one-component, waterborne, polymer-modified bituminous coating provides superior waterproofing protection.

## SCOPE OF APPLICATION

It is suitable for a wide range of industrial and civil applications, this coating is designed for concrete roofs, below-grade structures, and diverse architectural surfaces. It performs exceptionally well in repairs, on irregularly shaped structures, and at detailed areas. Compatible with membrane systems and other coatings, it enables the construction of high-performance composite waterproofing solutions.

## SPECIFICATION AND PACKAGING

Item	Description
Physical State	Viscous liquid
Colors	Black Brown / Tan
Solid contents by Weight (%)	63
Drying Time (h)	4
Waiting time to Overcoating (h)	2
Package	20 kg per plastic pail
Consumption & Coverage	2.8-3.3 kg/m <sup>2</sup> , 6-7 m <sup>2</sup> /pail @1.5 mm dry film
Recommended Thickness	1.5 mm dry film by 2-3 coats 1.4-1.7 kg/m <sup>2</sup> /coat (2 coats), 1-1.1 kg/m <sup>2</sup> /coat (3 coats)
Shelf Life	12 months



## PRODUCT FEATURE

- Experience fast drying, easy application, and a clean finish that won't stick underfoot.
- Applies smoothly with consistent thickness and superior bonding strength.
- Eco-friendly and water-based: ready to use right out of the container.

## TYPICAL PROPERTIES

Description	Test Methods	Typical Values
Depth of Water Penetration ( mm)	DIN 1048 Pt 5	≈ 0
Water Vapor Transmission Rate (g/h · m <sup>2</sup> )	ASTM E96 / E96M-22	≤ 1
Crack Bridging (3.2mm)	ASTM C836 / C836M-18	No Crack
Pull-Bond to Concrete (MPa)	ASTM D4541-02 METHOD A	≥ 1.0
Tensile Strength (N/mm <sup>2</sup> )	ASTM D412	≥ 0.50
Elongation at Break (%)	ASTM D412	≥ 1000

# YHBituRoof-4700

Exposed Multicolor Waterborne Asphalt Waterproofing Coating

## DESCRIPTION

YHBituRoof-4700 Exposed Multicolor Waterborne Asphalt Waterproofing Coating is a single-component water-based waterproof coating. It uses a high weather-resistant polymer emulsion as the base material compounded with high-performance emulsified asphalt and weather-resistant additives. It is environmentally friendly, water-based, highly elastic, resistant to cracking, and suitable for roof repair work on concrete and metal roofs in civil buildings.

## SCOPE OF APPLICATION

It is suitable for roof repairs on concrete and metal roofs of civil buildings. Designed for exposed applications, it is recommended to use non-woven fabric for reinforcement to enhance durability and performance.

## SPECIFICATION AND PACKAGING

Item	Description
Physical State	Viscous liquid
Colors	Maple Red / Cement Gray / Linen Gray
Solid contents by Weight (%)	65
Packing Size	20 kg per plastic pail + 2 kg primer
Consumption & Coverage	3.0-3.5 kg/m <sup>2</sup> , 5-7 m <sup>2</sup> /pail @1.5 mm dry film
Recommended Thickness	1.5 mm dry film by 2-3 coats 1.5-1.8 kg/m <sup>2</sup> /coat (2 coats), 1-1.2 kg/m <sup>2</sup> /coat (3 coats)
Shelf Life	12 months



## PRODUCT FEATURE

- UV & Weather Resistant: Suitable for exposed applications with excellent resistance to weathering.
- Superior Physical Performance: Highly elastic, crack-resistant, and offers strong bonding strength.
- Wide Temperature Tolerance: Performs reliably in both high and low temperatures, ranging from -15°C to 110°C.
- Easy & Eco-Friendly Application: Ready-to-use, water-based, environmentally friendly, and cold-applied for quick and safe installation.

## TYPICAL PROPERTIES

Item	Technical Index	Typical Values
Pull-Bond to Concrete (MPa)	EN 1542	≥ 1.0
Flexibility at Low Temperature (-15°C)	ASTM D1227	No Cracking
Elongation at Break (%)	ASTM D412	≥ 500
Tensile Strength (MPa)	ASTM D412	≥ 1.2
Visual Observation After Expose	BS EN 16474-2	No Cracking, Delamination, Blistering, Bonding, or Voids

# YHBituprimer-4035

Water-based Bitumen Primer

## DESCRIPTION

YHBituprimer-4035 Water-based Bitumen Primer is a quick drying water based low viscosity bitumen primer. It is used as a primer coat on masonry and concrete substrates to improve the adhesion of bituminous membranes and coatings. YHBituprimer-4035 is low in viscosity, which allows it to penetrate into the concrete pores and improve the adhesion between the membrane and the concrete surface. In addition to that, the primer also acts as a binder and preventing moisture penetration.



## SCOPE OF APPLICATION

YHBituprimer-4035 is used as a primer and sealer coat prior to the application of bitumen-based waterproofing membranes and coatings.



## SPECIFICATION AND PACKAGING

Item	Description
Physical State	Liquid
Color	Dark brown
Packing Size	18 kg per plastic pail
Consumption & Coverage	0.2-0.3 kg/m <sup>2</sup> (60-90 m <sup>2</sup> /pail) applied in 1-2 coat
Shelf Life	9 months

## PRODUCT FEATURE

- Multi-Material Compatibility: Compatible with various substrates, with quick-drying and high penetration capability.
- Superior Adhesion: Delivers strong bonding to concrete and masonry surfaces.
- Enhanced Performance: Boosts adhesion for bituminous membranes and coatings.
- Easy & Eco-Friendly Application: Ready-to-use, water-based, environmentally friendly, and cold-applied for quick and safe installation.

## TYPICAL PROPERTIES

Item	Test Methods	Typical Values
Density (g/cm <sup>3</sup> )	ASTM D 1475	0.99 - 1.01
Solid Contents by Weight (%)	ASTM D 1644	≈ 35

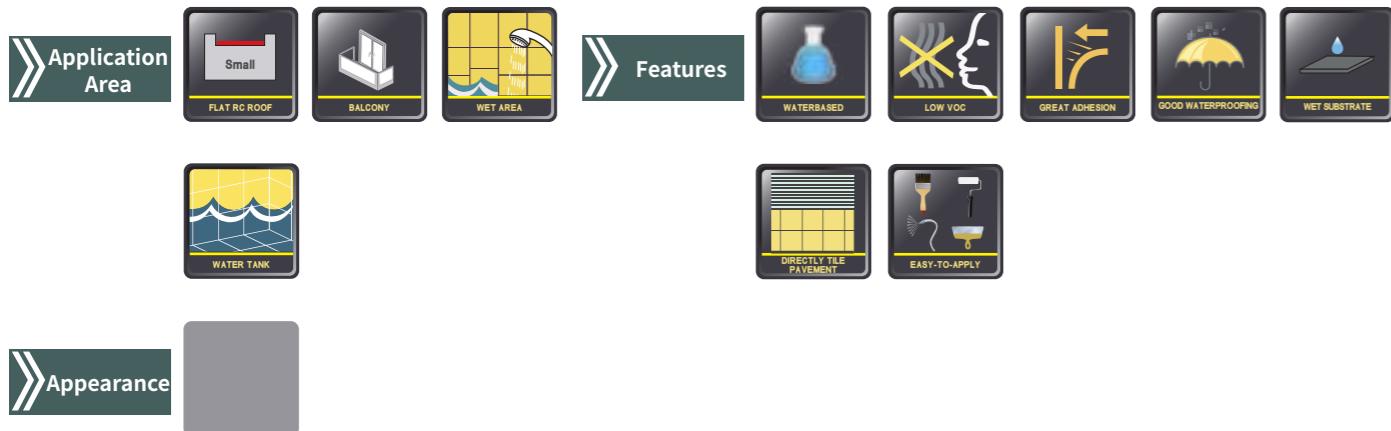
## PART 2

# Water-based Waterproof Coatings



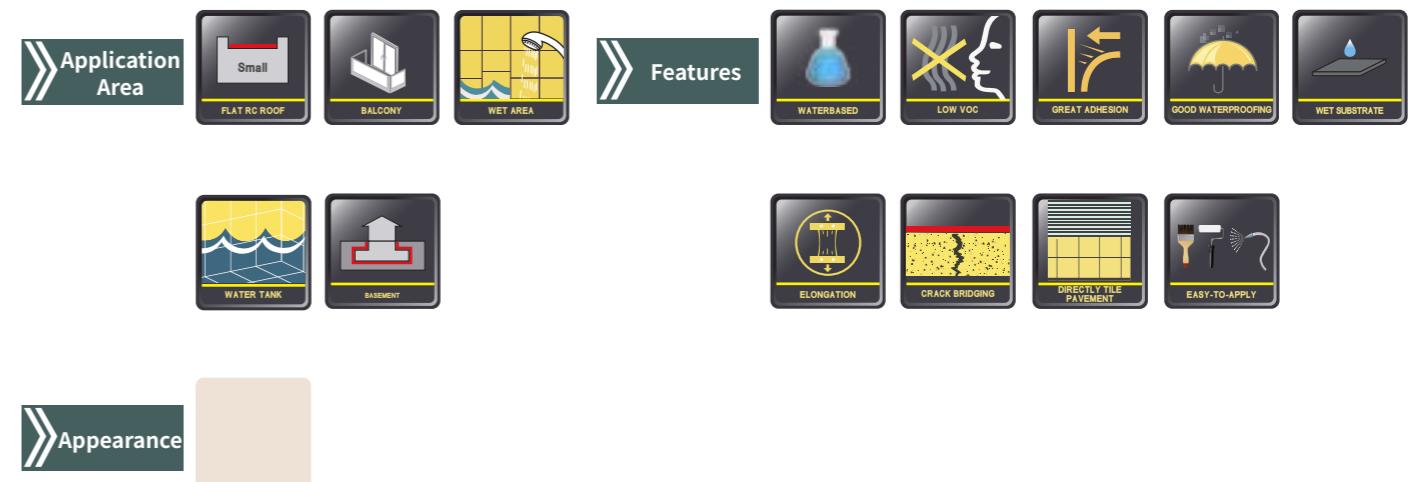
**YHCoat-1000**  
Easy-to-apply Cementitious Waterproofing Slurry (2K)

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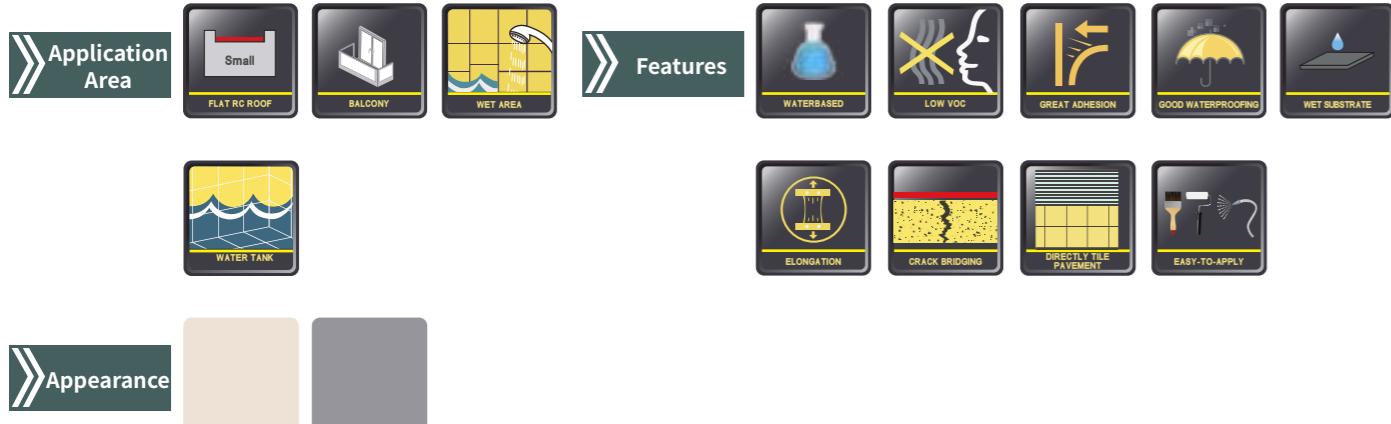
**YHCoat-1300**  
Highly Flexible Cementitious Waterproofing Coating (2K)

P 20



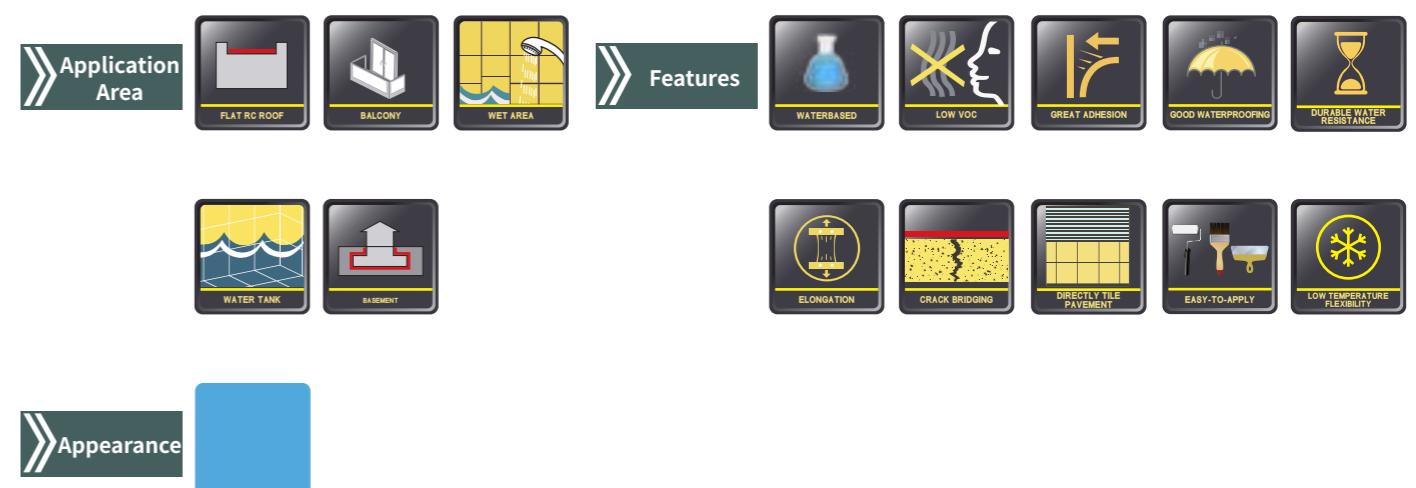
**YHCoat-1080**  
Flexible Cementitious Waterproofing Coating (2K)

P 18



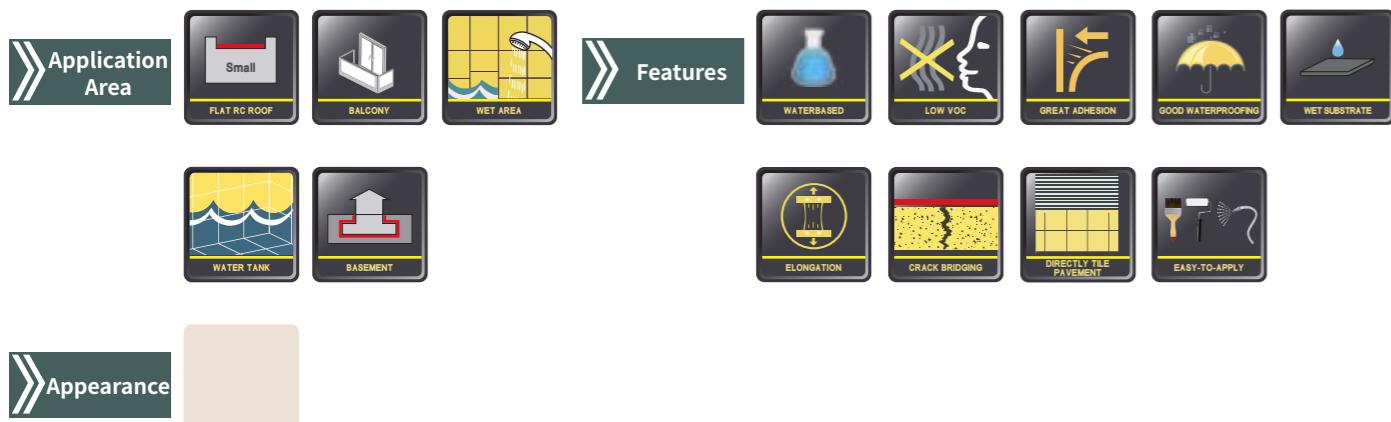
**YHCoat-2060**  
One-Component Polymer-Modified Waterproofing Coating

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**YHCoat-1180**  
Highly Flexible Cementitious Waterproofing Coating (2K)

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# YHCoat-1000

Easy-to-apply Cementitious Waterproofing Slurry (2K)

## DESCRIPTION

YHCoat-1000 is a two-component, polymer-modified cementitious waterproofing slurry engineered for reliable and effective waterproofing applications. It combines a liquid polymer emulsion with specialized additives and an inorganic powder comprising cement and fillers. When mixed in precise proportions, the components form a flexible, durable, and water-resistant coating suitable for a wide range of surfaces.

## SCOPE OF APPLICATION

Suitable for waterproofing and anti-seepage applications in interior spaces such as toilets, bathrooms, kitchens, balconies, floors, and floor heating systems. It is also applicable to non-tiled and stone facade systems on exterior walls, and can be used to maintain the waterproof layer of underground foundations and backfilled surfaces.

## SPECIFICATION AND PACKAGING

Item	Part A	Part B
Appearance	White Thick liquid	Grey Powder
Mixing Ratio (in weight)	Part A : Part B = 3 : 10 (1 Pail of Part A : 1 Bags of Part B)	
Packing Size	6 kg per plastic pail	20 kg per valve bag
Consumption & Coverage	2.2-2.4 kg/m <sup>2</sup> , 11-12 m <sup>2</sup> /set @1 mm dry film	
Recommended Thickness	1.0 mm dry film by 2 coats, 1.1-1.2 kg/m <sup>2</sup> /coat For areas subject to high water ingress, apply a 3rd coat at 1.1-1.2 kg/m <sup>2</sup>	
Shelf Life	12 months	

## PRODUCT FEATURE

- Green, safe, and environmentally friendly.
- Can be directly applied to wet surfaces, offering excellent impermeability.
- Smooth application process with fast drying, saving time and labor.
- Strong adhesion to the substrate, ensuring a durable bond.

## TYPICAL PROPERTIES

Item	Test Methods	Typical Values
Pull-Off Strength (To Concrete) (Mpa)	ASTM D7234-22	≥ 1.0
Compressive Strength (Mpa)	ASTM C109/ 109M-21	≥ 14
Flexural Strength (Mpa)	ASTM C348-21	≥ 7
Water Vapor Transmission Rate [kg/(s · m <sup>2</sup> )]	BS EN ISO 12572	≈ 1.02 × 10 <sup>-6</sup>
Liquid Water Permeability (kg/m <sup>2</sup> · h <sup>0.5</sup> )	BS EN 1062-3	≈ 0.057 (Class W3)
Permeability to Carbon Dioxide [g/(m <sup>2</sup> · d)]	BS EN 1062-6	≈ 0.29
Resistance to Water Penetration	DIN 1048 Pr 5	≈ 90
Water Impermeability (1.5bar, 7d)	BS EN 14891, A7	≈ 0



# YHCoat-1080

Flexible Cementitious Waterproofing Coating (2K)

## DESCRIPTION

YHCoat-1080 is a two-component polymer-modified cementitious waterproofing coating. The two components react chemically after mixing to form a robust and seamless film which bonds strongly to most concrete or masonry substrate to protect against the ingress of water.

## SCOPE OF APPLICATION

Suitable for new construction and refurbishment projects with waterproof requirements, especially suitable for wet rooms, such as kitchens, bathrooms, showers, laundries, balconies, pools, and other areas with high moisture exposure.



## SPECIFICATION AND PACKAGING

Item	Part A	Part B
Appearance	Thick liquid	Powder
Colors	White	White / Grey
Package	Plastic pail	Valve bag
Packing Size	20 kg per pail	28 kg per bag
Mixing Ratio	Part A : Part B = 1 : 1.4	
Consumption & Coverage	2.2-2.4 kg/m <sup>2</sup> , 11-12m <sup>2</sup> /set @1 mm dry film	
Recommended Thickness	1.0 mm dry film by 2 coats, 1.1-1.2 kg/m <sup>2</sup> /coat For areas subject to high water ingress, apply a 3rd coat at 1.1-1.2 kg/m <sup>2</sup>	
Shelf Life	12 months	

## PRODUCT FEATURE

- High Elasticity & Crack Bridging.
- Can be directly applied to damp substrates without compromising performance.
- User-Friendly Application: Easily applied using a brush or roller for convenience.
- Eco-Friendly & Low VOC: Environmentally safe with minimal emissions.

## TYPICAL PROPERTIES

Item	Test Methods	Typical Values
Tensile Strength (MPa)	ASTM D412-16	> 1.8
Elongation at Break (%)	ASTM D412-16	> 80
Pull-off Strength (To Concrete) (MPa)	ASTM D4541-02	> 1.1
VOC (g/L)	ISO 11890-2	≈ 0

# YHCoat-1180

Highly Flexible Cementitious Waterproofing Coating (2K)

## DESCRIPTION

YHCoat-1180 is a two-component waterproof coating. Component A consists of high-quality modified polymer emulsion and various additives. Component B consists of iron-rich containing and high-alumina cement. YHCoat-1180 has outstanding performance and forms seamless membranes.

## SCOPE OF APPLICATION

Suitable for new construction and refurbishment projects with waterproof requirements, especially suitable for wet rooms, such as kitchens, bathrooms, showers, laundries, balconies, pools, and other areas with high moisture exposure.

## SPECIFICATION AND PACKAGING

Item	Part A	Part B
Appearance	Thick liquid	Powder
Color	White	White
Package	Plastic pail	Valve bag
Packing Size	20 kg per pail	20 kg per bag
Mixing Ratio	Part A : Part B = 1 : 1	
Consumption & Coverage	2.2-2.4 kg/m <sup>2</sup> , 11-12 m <sup>2</sup> /set @1 mm dry film	
Recommended Thickness	1.0 mm dry film by 2 coats, 1.1-1.2 kg/m <sup>2</sup> /coat For areas subject to high water ingress, apply a 3rd coat at 1.1-1.2 kg/m <sup>2</sup>	
Shelf Life	12 months	



## PRODUCT FEATURE

- Good elasticity with crack bridging capability.
- Can be applied to damp substrates.
- Easy to apply by brush or roller.
- Eco-friendly with low VOC.

## TYPICAL PROPERTIES

Item	Test Methods	Typical Values
Tensile Strength (MPa)	ASTM D412-16	> 1.5
Elongation at Break (%)	ASTM D412-16	> 150
Pull-off Strength (To Concrete) (MPa)	ASTM D4541-02	> 1.1
VOC (g/L)	ISO 11890-2	≈ 0

# YHCoat-1300

Highly Flexible Cementitious Waterproofing Coating (2K)

## DESCRIPTION

YHCoat-1300 is a two-component polymer-modified cementitious waterproofing coating. The two components react chemically after mixing to form a flexible and seamless film with a high elongation exceeding 300%. It bonds strongly to most concrete or masonry substrate to protect against the ingress of water.

## SCOPE OF APPLICATION

Suitable for new construction and refurbishment projects with waterproof requirements, especially suitable for wet rooms, such as kitchens, bathrooms, showers, laundries, balconies, pools, and other areas with high moisture exposure.

## SPECIFICATION AND PACKAGING

Item	Part A	Part B
Appearance	Thick liquid	Powder
Color	White	White
Package	Plastic pail	Valve bag
Packing Size	20 kg per pail	16 kg per bag
Mixing Ratio	Part A : Part B = 1 : 0.8	
Consumption & Coverage	2.2-2.4 kg/m <sup>2</sup> , 11-12 m <sup>2</sup> /set @1 mm dry film	
Recommended Thickness	1.0 mm dry film by 2 coats, 1.1-1.2 kg/m <sup>2</sup> /coat For areas subject to high water ingress, apply a 3rd coat at 1.1-1.2 kg/m <sup>2</sup>	
Shelf Life	12 months	



## PRODUCT FEATURE

- High Elasticity & Crack Bridging: Over 300% elongation, effectively prevents water ingress.
- Can be directly applied to damp substrates without compromising performance.
- Easy Application: Suitable for brush or roller application.
- Eco-Friendly: Low VOC and environmentally safe.

## TYPICAL PROPERTIES

Item	Test Methods	Typical Values
Tensile Strength (MPa)	ASTM D412-16	> 1.2
Elongation at Break (%)	ASTM D412-16	> 250
Pull-off Strength (To Concrete) (MPa)	ASTM D4541-02	> 1.1
Shore A Hardness	ASTM D2240-15	≈ 75
Crack Bridging (mm)	ASTM C836M/C836M-18	≈ 2
Water Vapor Transmission g/(m <sup>2</sup> · hr)	ASTM E96/E96M-22ae1	≈ 0.68
VOC (g/L)	ISO 11890-2	< 0.1

# YHCoat-2060

One-Component Polymer-Modified Waterproofing Coating

## DESCRIPTION

YHCoat-2060 is a one-component waterproofing coating formulated with a highly active polymer emulsion as its primary film-forming agent. Enhanced with specialized inorganic components and functional additive, it offers high solid contents, excellent water resistance (suitable for long-term water immersion), and superior workability. The cured membrane provides a keyed finish to promote direct tile adhesion, suitable for use with cement-based tile adhesive.

## SCOPE OF APPLICATION

Suitable for new construction and refurbishment projects with waterproof requirements, especially suitable for wet rooms, such as kitchens, bathrooms, showers, laundries, balconies, pools, and other areas with high moisture exposure.



## SPECIFICATION AND PACKAGING

Item	Description
Appearance	Viscous Liquid
Color	Blue
Density (kg/L)	1.5 - 1.7
Solid Contents by Weight (%)	78 - 81
Packing Size	25 kg per plastic pail
Consumption & Coverage	≈2.0 kg/m <sup>2</sup> , 12.5 m <sup>2</sup> /pail @1 mm dry film
Recommended Thickness	1.0mm dry film by 2 coats, 1.0 kg/m <sup>2</sup> /coat For areas subject to high water ingress, apply a 3rd coat at 1.0 kg/m <sup>2</sup>
Shelf Life	12 months

## PRODUCT FEATURE

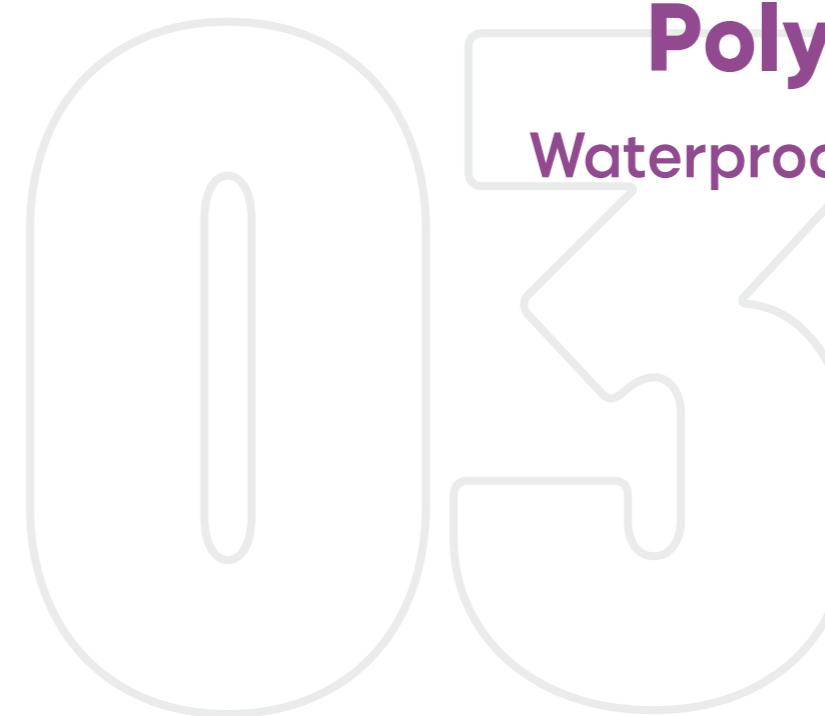
- ✓ Water-based, safe and environmentally friendly, low VOC.
- ✓ Excellent adhesion performance; Maintains flexibility and performance in cold conditions.
- ✓ Excellent long-term water resistance.
- ✓ Dries to a keyed finish, promoting tile adhesive bond.

## TYPICAL PROPERTIES

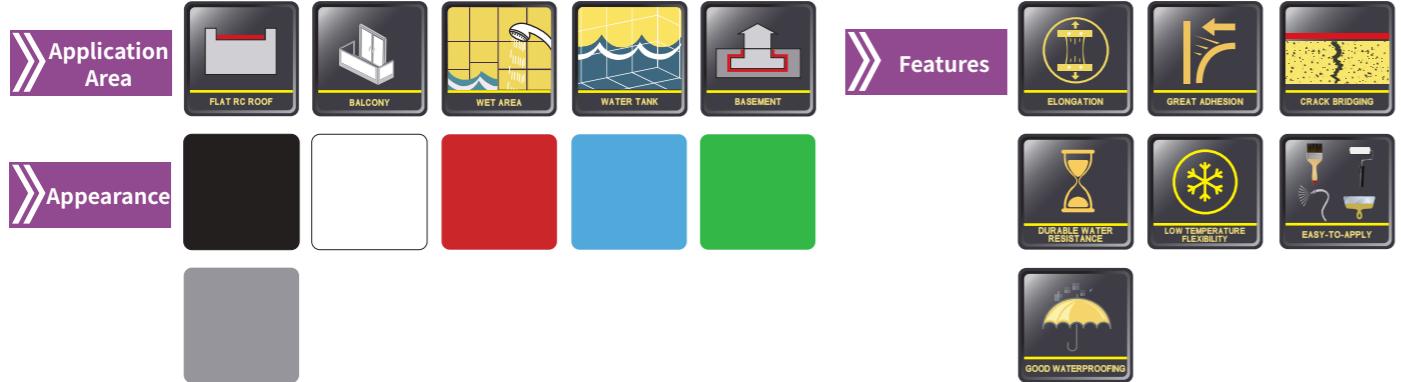
Item	Test Methods	Typical Values
Tensile Strength (MPa)	ASTM D412	≥1.7
Elongation at Break (%)	ASTM D412	≥85
Pull-off Adhesion to Concrete (MPa)	ASTM D4541	≥1.2
Low Temperature Flexure (-10°C)	ASTM D522	No Cracks
Water Penetration Test (5 bar, 72hrs) (mm)	BS EN 12390-8	≈ 0
VOC (g/L)	ISO 11890-2	≈0

## PART 3

# Polyurethane Waterproofing Coatings

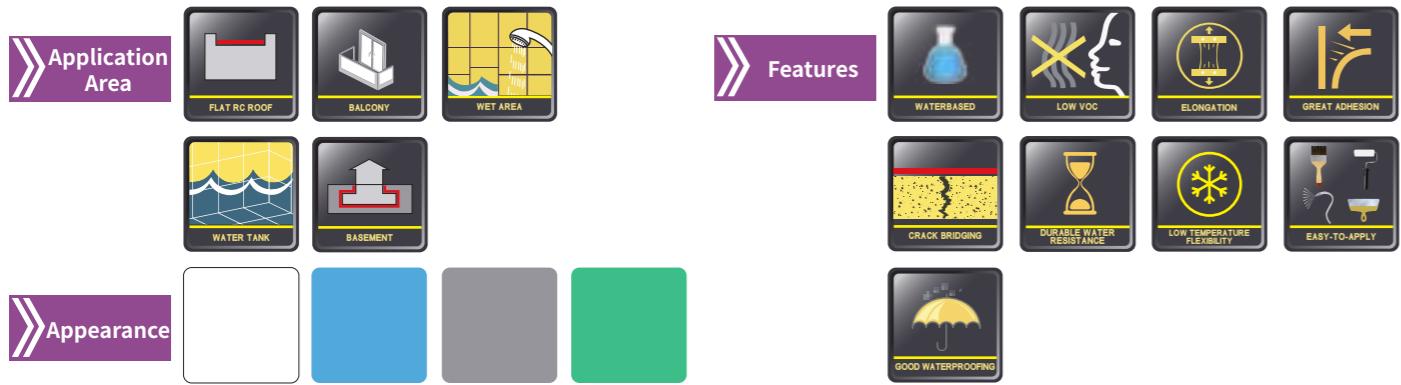


**YHPUcoat-8101**  
Single-Component Polyurethane Waterproofing Coating



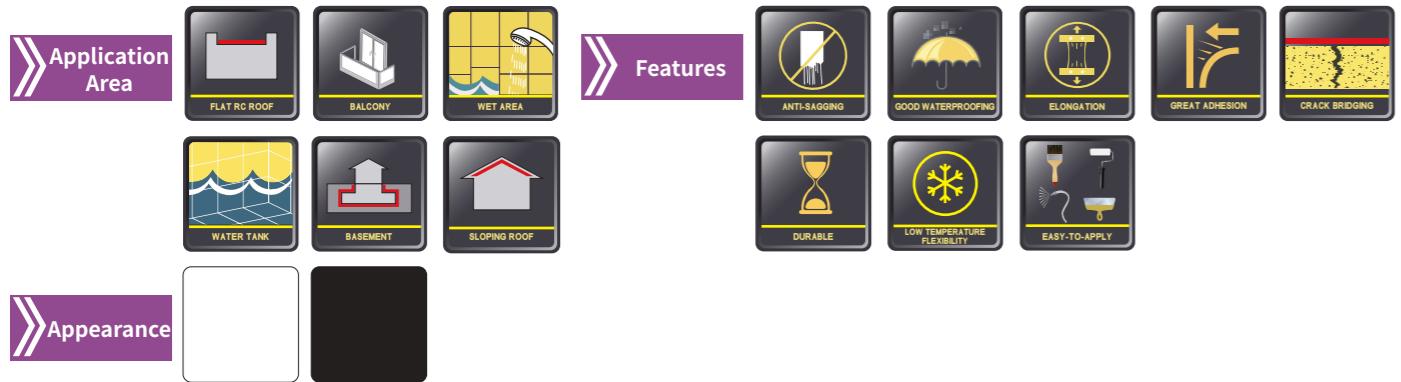
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**YHPUcoat-8118**  
Single-Component Water-Based Polyurethane Waterproofing Coating



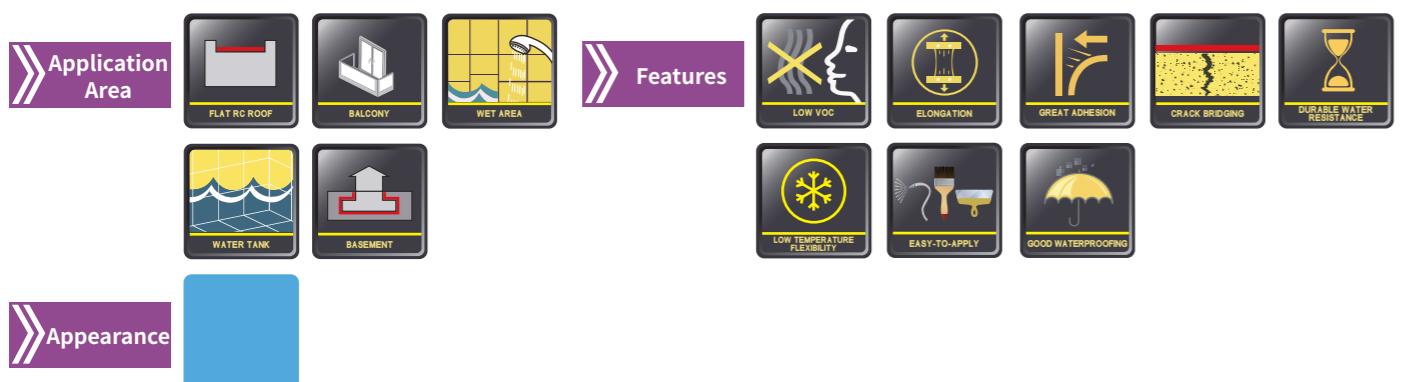
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**YHPUcoat-8121**  
One-Component Sag-Resistant Polyurethane Waterproof Coating



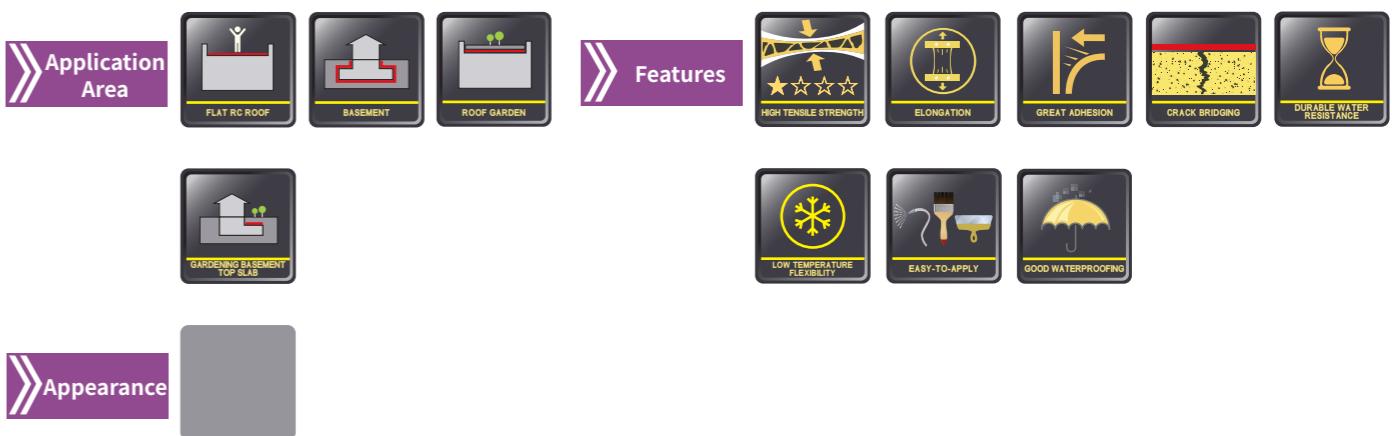
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**YHPUcoat-8130**  
One-Component Low-VOC Polyurethane Waterproofing Coating



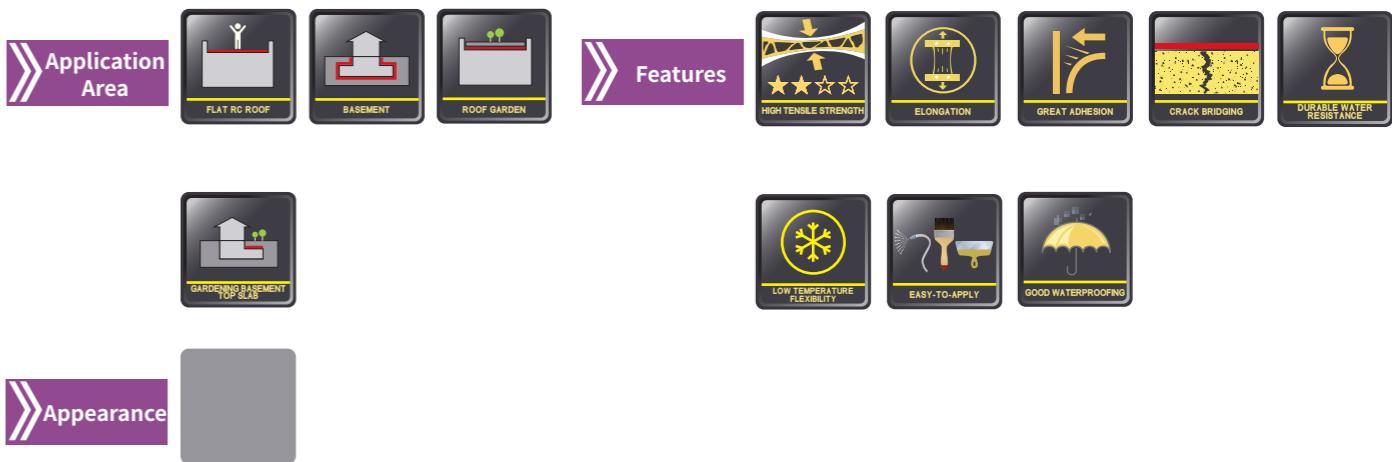
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**YHPUcoat-8200**  
Multi-Functional Architectural & Waterproofing Coating for Exterior Wall



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**YHPUcoat-8400**  
Ultra High-Strength Polyurethane Waterproofing Coating



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**YHPrimer-2000**  
Two-Component Moisture-Tolerant Epoxy Primer



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# YHPUcoat-8101

Single-Component Polyurethane Waterproofing Coating

## DESCRIPTION

YHPUcoat-8101 is a single-component, cold-applied, moisture-cured aromatic polyurethane waterproofing coating. It cures to form a seamless, elastic, moisture resistant, and durable waterproofing film.

## SCOPE OF APPLICATION

YHPUcoat-8101 is recommended as general non-exposed waterproofing solutions in both new construction and refurbishment projects. It is ideal for applications under tiles, mortar protection layers, or in general non-exposed waterproofing projects such as balconies and terraces.

## SPECIFICATION AND PACKAGING

Item	Description
Appearance	Viscous Liquid
Viscosity (cp)	5000±2000
Colors	Black / Grey / White / Green / Red
Density (kg/L)	1.50 - 1.60
Solid Contents by Weight (%)	89 - 92
Pot life (h)	3
Packing Size	25 kg per metal pail
Consumption & Coverage	2.6-2.7 kg/m <sup>2</sup> , 9-10 m <sup>2</sup> /pail @1.5 mm dry film
Recommended Thickness	1.5 mm dry film by 2-3 coats 0.9 kg/m <sup>2</sup> /coat (3 coats), 1.3-1.4 kg/m <sup>2</sup> /coat (2 coats)
Shelf Life	12 months



## PRODUCT FEATURE

- Cold-Applied & Moisture-Cured: No mixing, heating, or open flame required.
- Easy Recoating: Can be reapplied without stripping the existing layer.
- Flexible in Low Temperatures: Maintains elasticity even in cold conditions. Bonds well to most substrates.

## TYPICAL PROPERTIES

Item	Test Methods	Typical Values
VOC / (g/L)	ASTM D2369	≈ 155
Tensile Strength (MPa)	ASTM D412	≥ 2.0
Elongation at Break (%)	ASTM D412	≥ 450
Tear Strength (N/mm)	ASTM D624	≥ 18
Pull-off Adhesion to Concrete (MPa)	ASTM D7234	≥ 1.2
Shore A Hardness	ASTM D2240	≈ 60
Water Penetration Test (5 bar 3 days)	DIN 1048-5	No Penetration
Water Vapor Transmission (g/m <sup>2</sup> ·24h)	ASTM E96	≈ 12
Low Temperature Flexibility (-35 °C)	ASTM D522	No Cracks
Set-to-Touch Time (h)	ASTM D1640	≈ 4

# YHPUcoat-8118

Single-Component Water-Based Polyurethane Waterproofing Coating

## DESCRIPTION

YHPUcoat-8118 is a waterborne coating with waterborne polyurethane dispersion as the main film forming material, with additives, pigments and fillers, etc., which is mixed in a vessel. It has excellent long-term water resistance, while both have excellent mechanical properties of oily polyurethane waterproof coating and environmental-friendly performance of waterborne waterproof coating.

## SCOPE OF APPLICATION

Suitable for new construction and refurbishment projects with waterproof requirements, especially suitable for wet rooms, such as kitchens, bathrooms, pools, and other areas with high moisture exposure.

## SPECIFICATION AND PACKAGING

Item	Description
Appearance	Viscous Liquid
Colors	White / Blue / Grey / Green
Density (kg/L)	1.4 - 1.6
Solid Contents by Weight (%)	63 - 68
Packing Size	20 kg per plastic pail
Consumption & Coverage	3.3-3.9 kg/m <sup>2</sup> , 7-8 m <sup>2</sup> /pail @1.5 mm dry film
Recommended Thickness	1.5 mm dry film by 3 coats 1.1-1.3 kg/m <sup>2</sup> /coat
Shelf Life	12 months



## PRODUCT FEATURE

- Water-based, safe and environmentally friendly, low VOC.
- High Elasticity & Crack Bridging: Over 500% elongation, effectively prevents water ingress.
- Suitable for long-term water immersion.
- Strong adhesion to various substrate.

## TYPICAL PROPERTIES

Item	Test Methods	Typical Values
Tensile Strength (MPa)	ASTM D412	≥ 2.0
Elongation at Break (%)	ASTM D412	≥ 450
Tear Strength (N/mm)	ASTM D624	≥ 18
Pull-off Adhesion to Concrete (MPa)	ASTM D7234	≥ 1.2
Shore A Hardness	ASTM D2240	≥ 60
Water Penetration Test (5 bar 3 days)	DIN 1048-5	No Penetration
Water Vapor Transmission [g/(24h · m <sup>2</sup> )]	ASTM E96	≈ 12
Low Temperature Flexure (-35°C)	ASTM D522	No Cracks
VOC (g/L)	ISO 11890-2:2020	≈ 0

# YHPUcoat-8121

One-Component Sag-Resistant Polyurethane Waterproof Coating

## DESCRIPTION

YHPUcoat-8121 is a single-component, sag-resistant, cold-applied, moisture-cured aromatic polyurethane waterproofing membrane. It is especially suitable for vertical side application.

## SCOPE OF APPLICATION

YHPUcoat-8121 is recommended as a general non-exposed waterproofing solution for both new construction and refurbishment projects. This thixotropic coating is especially suitable for pitched roofs and foundation walls.

## SPECIFICATION AND PACKAGING

Item	Data
Appearance	Thixotropic Viscous Liquid
Colors	Black / White
Density (kg/L)	1.50 - 1.60
Solid Contents by Weight (%)	91 - 94
Pot Life (h)	3
Packing Size	25 kg per metal pail
Consumption & Coverage	2.6-2.7 kg/m <sup>2</sup> , 9-10 m <sup>2</sup> /pail @1.5 mm dry film
Recommended Thickness	1.5 mm dry film by 2-3 coats 0.9 kg/m <sup>2</sup> /coat (3 coats), 1.3-1.4 kg/m <sup>2</sup> /coat (2 coats)
Shelf Life	12 months



## PRODUCT FEATURE

- Cold-applied and moisture-cured; no mixing, heating, or flame is required.
- Maintain elasticity even at low temperatures.
- Good adhesion to most substrates.
- Flowable liquid; easy application by trowel or spraying.
- Normally >0.8 mm dry film thickness for one coat on vertical walls.

## TYPICAL PROPERTIES

Item	Test Methods	Typical Values
VOC / (g/L)	ASTM D2369	≈ 155
Tensile Strength (MPa)	ASTM D412	≥ 2.0
Elongation at Break (%)	ASTM D412	≥ 450
Tear Strength (N/mm)	ASTM D624	≥ 18
Pull-off Adhesion to Concrete (MPa)	ASTM D7234	≥ 1.2
Shore A Hardness	ASTM D2240	≈ 60
Water Penetration Test (5 bar, 3 days)	DIN 1048-5	No Penetration
Low Temperature Flexure (-35°C)	ASTM D522	No Cracks
Set-to-Touch Time (h)	ASTM D1640	≈ 4
Sag Resistance (um)	Vendor Method	900-1000

# YHPUcoat-8130

One-Component Low-VOC Polyurethane Waterproofing Coating

## DESCRIPTION

YHPUcoat-8130 is a one-component, solvent-free, cold applied, moisture-cured flexible polyurethane waterproofing membrane. This material has been awarded with GEV-EMICODE® EC1PLUS certification due to its extremely low emission during application and curing. YHPUCoat-8130 is highly recommended for non-exposed indoor waterproofing applications with limited air ventilation or sensitivity to pungent odor.

## SCOPE OF APPLICATION

YHPUcoat-8130 is recommended for odor-sensitive indoor waterproofing projects with limited ventilation, and other projects with high standard in VOC emission.

## SPECIFICATION AND PACKAGING

Item	Description
Appearance	Viscous Liquid
Viscosity (cp)	9000±2000
Color	Blue
Density (kg/L)	1.40 - 1.50
Solid contents by weight (%)	≥ 99.5
Pot life (h)	4
Packaging Size	25 kg per metal pail
Consumption & Coverage	2.3-2.4 kg/m <sup>2</sup> , 9-10 m <sup>2</sup> /pail @1.5 mm dry film
Recommended Thickness	1.5 mm dry film by 2-3 coats 0.8 kg/m <sup>2</sup> /coat (3 coats), 1.2 kg/m <sup>2</sup> /coat (2 coats)
Shelf Life	12 months



## PRODUCT FEATURE

- Cold-Applied & Moisture-Cured: No mixing, heating, or open flame required.
- Ultra Eco-Friendly: Solvent-free with no free TDI, ensuring minimal environmental impact.
- Maintains elasticity even at cold climate.
- Strong adhesion to various substrate.

## TYPICAL PROPERTIES

Item	Test Methods	Typical Values
VOC / (g/L)	ASTM D2369	≈ 6
Tensile Strength (MPa)	ASTM D412	≥ 2.0
Elongation at Break (%)	ASTM D412	≥ 450
Tear Strength (N/mm)	ASTM D624	≥ 18
Pull-off Adhesion to Concrete (MPa)	ASTM D7234	≥ 1.2
Shore A Hardness	ASTM D2240	≈ 60
Water Penetration Test (5 bar 3 days)	DIN 1048-5	No Penetration
Low Temperature Flexure (-35°C)	ASTM D522	No Cracks
Set-to-Touch Time (h)	ASTM D1640	≈ 5

# YHPUcoat-8200

## High-Strength Polyurethane Waterproofing Coating

### DESCRIPTION

YHPUcoat-8200 is a single-component, cold-applied, moisture-cured aromatic polyurethane waterproofing membrane. It forms a seamless and durable waterproofing layer and is designed for use as a base coat beneath an aliphatic polyurethane topcoat (e.g., YHPUroof-8201 or YHPUroof-8401) or under a separate concrete wearing course for medium-to-heavy pedestrian traffic applications.

### SCOPE OF APPLICATION

It is recommended as a waterproof base coat beneath cementitious or concrete protective layers for mechanical rooms, plazas, and other critical structures. It can also be combined with high-performance aliphatic polyurethane topcoats—such as YHPUroof-8201 and YHPUroof-8401—for exposed waterproofing applications on footbridges, balconies, terraces, and other areas subject to medium-to-heavy pedestrian traffic.

### SPECIFICATION AND PACKAGING

Item	Description
Appearance	Viscous Liquid
Viscosity (cp)	8000±3000
Color	Grey
Density (kg/L)	1.30 - 1.40
Solid Contents by Weight (%)	86 - 88
Pot life (h)	2
Packing Size	25 kg per metal pail
Consumption & Coverage	2.3-2.6 kg/m <sup>2</sup> , 10-11 m <sup>2</sup> /pail @1.5 mm dry film
Recommended Thickness	1.5 mm dry film by 2-3 coats 0.8-0.9 kg/m <sup>2</sup> /coat (3 coats), 1.2-1.3 kg/m <sup>2</sup> /coat (2 coats)
Shelf Life	12 months



### PRODUCT FEATURE

- Suitable for waterproofing base coat bearing medium-to-heavy pedestrian traffic.
- High tensile and tear strength; good abrasion resistance. Aliphatic resin ensures UV resistance and non-yellowing.
- Excellent crack-bridging properties and flexibility, even at low temperatures.
- Resistant to water, deicing salts, diluted acid and alkaline.

### TYPICAL PROPERTIES

Item	Test Methods	Typical Values
Tensile Strength (MPa)	ASTM D412	≥ 6.0
Elongation at Break (%)	ASTM D412	≥ 450
Tear Strength (N/mm)	ASTM D624	≥ 30
Pull-off Adhesion to Concrete (MPa)	ASTM D7234	≥ 2.0
Shore A Hardness	ASTM D2240	≈ 70
Water Penetration Test (5 bar 3 days)	DIN 1048-5	No Penetration
Low Temperature Flexure (-35°C)	ASTM D522	No Cracks
Set-to-Touch Time (h)	ASTM D1640	≈ 3

# YHPUcoat-8400

## Ultra High-Strength Polyurethane Waterproofing Coating

### DESCRIPTION

YHPUcoat-8400 is a single-component, cold-applied, moisture-cured aromatic polyurethane waterproofing membrane. It forms a seamless and highly durable waterproofing layer and is designed for use as a base coat beneath an aliphatic polyurethane or polyurea topcoat, or under a separate concrete wearing course. Ideal for applications exposed to heavy pedestrian and vehicular traffic.

### SCOPE OF APPLICATION

Recommended as a waterproof base coat beneath cementitious or concrete protective layers for airports, railway stations, parking garages, and arenas. It can also be paired with high-performance aliphatic polyurethane or polyurea topcoats for stadiums and other outdoor waterproofing applications exposed to heavy pedestrian and vehicular traffic.

### SPECIFICATION AND PACKAGING

Item	Description
Appearance	Viscous Liquid
Viscosity (cp)	9000±3000
Color	Grey
Density (kg/L)	1.05 - 1.15
Solid Contents by Weight (%)	85 - 87
Pot life (h)	2
Packing Size	20 kg per metal pail
Consumption & Coverage	1.9-2.1 kg/m <sup>2</sup> , 10-11 m <sup>2</sup> /pail @1.5 mm dry film
Recommended Thickness	1.5 mm dry film by 2 coats, 1.0 kg/m <sup>2</sup> /coat
Shelf Life	12 months



### PRODUCT FEATURE

- Suitable for waterproofing base coat bearing heavy pedestrian traffic.
- Very high tensile and tear strength; excellent abrasion resistance.
- Aliphatic resin ensures UV resistance and non-yellowing.
- Excellent crack-bridging properties and flexibility, even at low temperatures.
- Resistant to water, deicing salts, diluted acid and alkaline.

### TYPICAL PROPERTIES

Item	Test Methods	Typical Values
Tensile Strength (MPa)	ASTM D412	≥ 11
Elongation at Break (%)	ASTM D412	≥ 350
Tear Strength (N/mm)	ASTM D624	≥ 35
Pull-off Adhesion to Concrete (MPa)	ASTM D7234	≥ 2.5
Shore A Hardness	ASTM D2240	≈ 70
Water Penetration Test (5 bar 3 days)	DIN 1048-5	No Penetration
Low Temperature Flexure (-35°C)	ASTM D522	No Cracks
Set-to-Touch Time (h)	ASTM D1640	≈ 2

# YHPrimer-2000

Two-Component Moisture-Tolerant Epoxy Primer

## DESCRIPTION

YHPrimer-2000 is a two-component, high solids, moisture-tolerant epoxy primer with both penetrative sealing and surface-leveling effects. It is designed to enhance the adhesion of polyurethane waterproof coatings on damp substrates and block micro-voids in porous substrates to mitigate out-gassing.

## SCOPE OF APPLICATION

YHPrimer-2000 is compatible with moisture-cured and chemically-cured polyurethane waterproof membranes, except for two-component spray polyurea. It is especially suitable for traffic coating systems when the moisture contents of the deck, measured on a concrete substrate with Tramex CME or CMEExpert type concrete moisture meter, is higher than 4%. It is also required for non-vented concrete/steel pan composite decks and split-slab applications with encapsulated waterproofing.

## SPECIFICATION AND PACKAGING

Item	Typical Values
Mixing Ratio (in weight)	4:1
Viscosity (23°C) (cp)	1000 - 2000
Appearance (Part A/B)	Black thick liquid / Light yellow liquid
Density (Part A/B) (kg/L)	1.40±0.10 / 1.00±0.05
Pot Life (23°C, 50%Rh) (min)	90 - 120
Dry time (23°C) (h)	≤ 8
Application Temperature for Substrate (°C)	5 ~ 55
Package	Part A: 20 kg/pail; Part B: 5kg/pail
Shelf life	12 months
Storage Conditions	Store dry at 2-35 °C
Consumption & Coverage	0.20-0.25 kg/m <sup>2</sup> (100-125 m <sup>2</sup> /set) applied in 1-2 coat
Shelf Life	12 months

## PRODUCT FEATURE

- ✓ Low VOC.
- ✓ Self-leveling and easy to apply.
- ✓ Excellent penetration and adhesion.
- ✓ Two-component, high solids, moisture-tolerant epoxy primer designed to enhance the adhesion of polyurethane waterproofing systems on mortar, concrete, or ceramic substrates.
- ✓ Resistant to moisture vapor transmission.
- ✓ Ensures high pull-off adhesion even on damp substrates.
- ✓ Offers a long pot life, even in summer conditions.



## PART 4

# Exposed Roof Waterproofing



\* This mark means that the brochure does not include a single-page introduction to the product. For details, please contact the technical support.

## YHCoolRoof-2008

Weather-durable Self-adhesive Bituminous Waterproof Membrane



## YHCoolRoof-2010

Weather-durable Self-adhesive Bituminous Waterproof Membrane



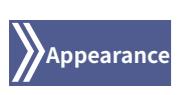
## YHCoolRoof-2020

High Weather-durable Self-adhesive Bituminous Waterproof Membrane



## YHCoolRoof-2020BR

UV-Resistant Butyl Self-adhesive Waterproof Membrane



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## YHCoolRoof-8023

Exposed Silane-Modified Polyether Waterproof Coating



## YHPUroof-8105

One-Component Exposed Polyurethane Waterproof Coating



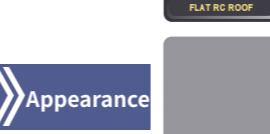
## YHPUroof-8109

One-Component, Aliphatic, Exposed Polyurethane Waterproofing Coating



## YHPUroof-8201

One-Component Polyurethane Waterproofing Top Coating for Medium-to- Heavy Pedestrian Traffic



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## YHPUroof-8401

One-Component Polyurethane Waterproofing Top Coating for Heavy Pedestrian Traffic

### Application Area



### Features



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### Appearance



## YHPUroof-8531

Highly Abrasion-Resistant Polyurethane Waterproof Coating for Heavy Pedestrian Traffic

### Application Area



### Features



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### Appearance



## YHPProof-8532

Two-Component Polyaspartic Waterproof Coating

### Application Area



### Features



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### Appearance



## YHPUroof-8733

High-Hardness Polyurethane Waterproof Coating for Heavy Vehicle Traffic

### Application Area



### Features



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### Appearance



## YHCoolRoof-2008

Weather-durable Self-adhesive Bituminous Waterproof Membrane

### DESCRIPTION

YHCoolRoof-2008 weather-durable self-adhesive bituminous waterproof membrane is a premier membrane designed to deliver premium UV-resistant performance. It is composed of two waterproofing materials: an innovative and proprietary rubberized asphalt adhesive combined with a high-performance composite film featuring UV-barrier properties. The rubberized asphalt surface is backed with a release liner. It is an economical option, especially suitable for exposed roofing waterproofing.



### SCOPE OF APPLICATION

YHCoolRoof-2008 is especially designed as a durable exposed waterproofing membrane on flat or low-slope roofs with minimal pedestrian traffic. It is especially suitable for refurbishment of concrete roofs, metal roofs, bitumen membrane roofs, and other roof waterproofing applications.



### SPECIFICATION AND PACKAGING

Item	Description
Appearance	Tear-resistant fiber reinforced composite film surfaced membrane
Width (m)	1
Thickness (mm)	1
Length (m)	20
Roll Size (m <sup>2</sup> /roll)	20
Shelf Life	12 months

### PRODUCT FEATURE

- Weather Resistance: Withstands 1500h of artificial accelerated aging.
- Energy Efficient: Excellent solar and radiant heat reflection capabilities make roofs more energy-efficient and environmentally friendly.
- High Tear Resistance: Strong resistance to damage, ideal for challenging outdoor environments.

### TYPICAL PROPERTIES

Item	Test Methods	Typical Values
Tensile Strength (L/T) (N/50mm)	BS EN 12311-2	≥ 1000 / ≥ 900
Water Vapor Transmission [g/(m <sup>2</sup> · hr)]	ASTM E96, Water method	≤ 0.3
Elongation at Break (L/T) (%)	BS EN 12311-2	≥ 2.5 / ≥ 2.5
Puncture Resistance (N)	ASTM E154 / E154M-08	≥ 900
Static Crack Bridging (3.2mm)	ASTM C1305 / C1305M-16	No Crack
Lap Peel Adhesion (N/mm)	ASTM C1876	≥ 4.5
Resistance to Static Loading(20kg)	BS EN 12370:2015-Method B	Pass

# YHCoolRoof-2020

High Weather-durable Self-adhesive Bituminous Waterproof Membrane

## DESCRIPTION

YHCoolRoof-2020 is a high weather-durable self-adhesive bituminous waterproofing membrane. It is composed of an aggressive rubberized asphalt adhesive covered with weather-resistant fluorocarbon laminated film. The rubberized asphalt surface is backed with a release liner. It is especially suitable for exposed roofing waterproofing for extended durations.

## SCOPE OF APPLICATION

YHCoolRoof-2020 is especially designed as a durable exposed waterproofing membrane on flat or slope roofs with minimal pedestrian traffic. It is especially suitable for refurbishment of concrete roofs, metal roofs, bitumen membrane roofs, photovoltaic roofs and other roof waterproofing for extended durations.

## SPECIFICATION AND PACKAGING

Item	Description
Appearance	UV-resistant film surfaced membrane
Width (m)	1
Thickness (mm)	1.5, 2.0
Length (m)	20
Roll Size (m <sup>2</sup> /roll)	20
Shelf Life	12 months



## PRODUCT FEATURE

- Exceptional Weather & UV Resistance: Fluorocarbon composite film ensures durability for exposed applications.
- Superior Corrosion Resistance: Inert weatherproof film withstands acid, alkali, and environmental erosion without fading or delaminating.
- High Reflectivity & Energy Efficiency: White film surface enhances thermal emissivity, effectively lowering roof temperatures.

## TYPICAL PROPERTIES

Item	Test Methods	Typical Values
Tensile Strength (L/T) (MPa)	ASTM D412-16	≥ 9 / ≥ 10
Elongation at Break (L/T) (%)	ASTM D412-16	≥ 200 / ≥ 150
Puncture Resistance (N)	ASTM E154 / E154M-08	≥ 700
Water Vapour Transmission [g/(m <sup>2</sup> · hr)]	ASTM E96 / E96M-22	≤ 0.01
Crack Bridging	ASTM C1305 / C1305M-16	No Crack
Tear Strength (L/T) (kN/m)	ASTM D624-00	≥ 25 / ≥ 30
Watertightness Test (7 Bar for 24 Hrs)	BS EN 1928:2000(METHOD B)	No Leakage
Peel Adhesion to Concrete(N/m)	ASTM D3767-03(2020)	> 2000

# YHCoolRoof-2020BR

UV-Resistant Butyl Self-adhesive Waterproof Membrane

## DESCRIPTION

YHCoolRoof-2020BR waterproofing membrane is composed of two waterproofing materials—an aggressive butyl rubber based adhesive backed by a layer of high quality of fluorocarbon laminated film. The unique advanced adhesive formulation offers premium adhesion to the roof deck, high quality laps, superior seal around roofing fasteners, and outstanding high temperature stability.

## SCOPE OF APPLICATION

YHCoolRoof-2020BR is especially designed as a durable exposed waterproofing membrane on flat or slope roofs with rare pedestrian traffic. Especially suitable for refurbishment of metal roofing, photovoltaic roofing, single-layer membrane roofing and other roof waterproofing.

## SPECIFICATION AND PACKAGING

Item	Description
Appearance	UV-resistant film-surfaced membrane
Width (m)	1.0
Thickness (mm)	0.6, 1.0
Length (m)	20
Roll Size (m <sup>2</sup> /roll)	20
Shelf Life	24 months



## PRODUCT FEATURE

- Fluorocarbon weathering film has excellent weather resistance and can be used for exposed areas for more than 20 years. And the white fluorocarbon film can significantly reflect solar radiation energy, which can significantly reduce the roof temperature by about 10°C ~ 35°C in hot climates.
- Superior adhesion—The membrane bonds firmly to the substrate and forms high quality laps.
- Dual barrier protection—Butyl rubber and fluorocarbon laminated film are combined to form a continuous water, air and vapor barrier providing maximum protection.

## TYPICAL PROPERTIES

Item	Test Methods	Typical Values
Tensile Strength (N/mm)	ASTM D412	≥ 6
Elongation at Break (%)	ASTM D412	≥ 50
Adhesion to Plywood at 23°C (N/mm)	ASTM D903	≥ 1
Adhesion to Steel at 23°C (N/mm)	ASTM D903	≥ 1
Adhesion to Concrete at 23°C (N/mm)	ASTM D903	≥ 1
Low Temperature Flexibility (-40°C)	ASTM D1970	No Crack
Thermal Stability (100°C)	ASTM D1970	Pass
Lap Peel (N/mm)	ASTM D1876	≥ 1
Resistant to Artificial Weather Aging (Xenon Arc Lamps, for 2745h)	ASTM G155	No Visual Damage

# YHPUroof-8105

One-Component Exposed Polyurethane Waterproof Coating

## DESCRIPTION

YHPUroof-8105 is a single-component, cold-applied, moisture-cured, UV-resistant, seamless, and rubber-like polyurethane roof waterproofing membrane. It is especially designed for cost-efficient roof waterproofing and is suitable for both new construction and refurbishment projects.

## SCOPE OF APPLICATION

YHPUroof-8105 is especially designed as a cost-efficient, exposed or concealed waterproofing membrane for flat or pitched roofs, suitable for both new construction and the refurbishment of existing roofs.

## SPECIFICATION AND PACKAGING

Item	Data
Appearance	Viscous Liquid
Viscosity (cps)	7000±2000
Color	Grey
Density (kg/L)	1.45 - 1.55
Solid Contents by Weight (%)	89 - 92
Pot life (h)	3
Packing Size	25 kg per metal pail
Consumption & Coverage	2.4-2.7 kg/m <sup>2</sup> , 7-8 m <sup>2</sup> /pail @1.5 mm dry film
Recommended Thickness	1.5 mm dry film by 2-3 coats 0.8-0.9 kg/m <sup>2</sup> /coat (3 coats), 1.2-1.4 kg/m <sup>2</sup> /coat (2 coats)
Shelf Life	9 months



## PRODUCT FEATURE

- Cold-applied and moisture-cured; no mixing, heating, or flame required.
- One material for both horizontal and vertical areas.
- Maintains elasticity even at low temperatures. Easy application by squeegeeing or spraying.
- Good adhesion to most substrates.
- Weather- and UV-resistant.

## TYPICAL PROPERTIES

Item	Test Methods	Typical Values
VOC (g/L)	ASTM D2369	≈ 170
Tensile Strength (MPa)	ASTM D412	≥ 2.5
Elongation at Break (%)	ASTM D412	≥ 450
Tear Strength (N/mm)	ASTM D624	≥ 17
Pull-off Adhesion to Concrete (MPa)	ASTM D7234	≥ 1.2
Shore A Hardness	ASTM D2240	≈ 60
Water Penetration Test (5 bar, 3 days)	DIN 1048-5	No Penetration
Low Temperature Flexure (-35°C)	ASTM D522	No Cracks
Set-to-Touch Time (h)	ASTM D1640	≈ 4

# YHPUroof-8109

One-Component, Aliphatic, Exposed Polyurethane Waterproofing Coating

## DESCRIPTION

YHPUroof-8109 is a single-component, cold-applied, moisture-cured aliphatic polyurethane waterproofing membrane designed for exposed applications. Upon application, it reacts with ambient moisture to form a seamless, rubber-like waterproof film that delivers long-lasting and durable protection.

## SCOPE OF APPLICATION

Suitable for waterproofing exposed structural surfaces such as rooftops and non-accessible roof areas.

## SPECIFICATION AND PACKAGING

Item	Description
Appearance	Viscous Liquid
Viscosity (cp)	7000±2000
Color	Grey
Density (kg/L)	1.44 - 1.55
Solid Contents by Weight (%)	89 - 92
Pot life (h)	3
Packing Size	25 kg per metal pail
Consumption & Coverage	2.4-2.7 kg/m <sup>2</sup> , 7-8 m <sup>2</sup> /pail @1.5 mm dry film
Recommended Thickness	1.5 mm dry film by 2-3 coats 0.8-0.9 kg/m <sup>2</sup> /coat (3 coats), 1.2-1.4 kg/m <sup>2</sup> /coat (2 coats)
Shelf Life	12 months



## PRODUCT FEATURE

- Superior Weather Resistance: Aliphatic isocyanate-based formulation ensures long-term exposed use.
- Eco-Friendly & Safe: Free from coal tar, benzene, toluene, and xylene.
- Easy Application: Single-component, moisture-cured, and ready to use.

## TYPICAL PROPERTIES

Item	Test Methods	Typical Values
VOC (g/L)	ASTM D2369	≈ 180
Tensile Strength (MPa)	ASTM D412	≥ 3.0
Elongation at Break (%)	ASTM D412	≥ 450
Tear Strength (N/mm)	ASTM D624	≥ 20
Pull-off Adhesion to Concrete (MPa)	ASTM D7234	≥ 1.2
Shore A Hardness	ASTM D2240	≈ 60
Water Penetration Test (5 bar, 3 days)	DIN 1048-5	No Penetration
Low Temperature Flexure (-35°C)	ASTM D522	No Cracks
Set-to-Touch Time (h)	ASTM D1640	≈ 4

# YHPUroof-8201

One-Component Polyurethane Waterproofing Top Coating for Medium-to- Heavy Pedestrian Traffic

## DESCRIPTION

YHPUroof-8201 is a single-component, cold-applied, moisture-cured aliphatic polyurethane waterproofing membrane that forms a seamless and durable protective layer for outdoor applications subject to medium-to-heavy pedestrian traffic. It can be used as a standalone waterproofing system or as a topcoat over an aromatic polyurethane base layer to form an exposed system.

## SCOPE OF APPLICATION

Recommended for footbridges, balconies, terrace walkways, and other outdoor waterproofing applications subject to medium-to-heavy pedestrian traffic.

## SPECIFICATION AND PACKAGING

Item	Description
Appearance	Viscous Liquid
Viscosity (cp)	8000±2000
Color	Grey
Density (kg/L)	1.40 - 1.50
Solid Contents by Weight (%)	90 - 92
Pot life (h)	3
Packaging Size	25 kg per metal pail
Consumption & Coverage	0.8-0.9 kg/m <sup>2</sup> , 30-33m <sup>2</sup> /pail @0.5 mm dry film as top coat
Recommended Thickness	0.5 mm dry film by 1-2 coat 0.8-0.9 kg/m <sup>2</sup> /coat (1 coat), 0.4-0.5 kg/m <sup>2</sup> /coat (2 coats)
Shelf Life	12 months



## PRODUCT FEATURE

- Suitable for waterproofing top coat bearing medium-to-heavy pedestrian traffic.
- High tensile and tear strength; good abrasion resistance.
- Aliphatic resin ensures UV resistance and non-yellowing.
- Excellent crack-bridging properties and flexibility, even at low temperatures.
- Resistant to water, deicing salts, diluted acid and alkaline.

## TYPICAL PROPERTIES

Item	Test Methods	Typical Values
Taber abrasion (750g, 500r, CS-10) (mg)	ASTM D4060	≈ 70
Tensile Strength (MPa)	ASTM D412	≥ 6.0
Elongation at Break (%)	ASTM D412	≥ 450
Tear Strength (N/mm)	ASTM D624	≥ 30
Pull-off Adhesion to Concrete (MPa)	ASTM D7234	≥ 2.0
Shore A Hardness	ASTM D2240	≈ 70
Water Penetration Test (5 bar 3 days)	DIN 1048-5	No Penetration
Low Temperature Flexure (-35°C)	ASTM D522	No Cracks
Set-to-Touch Time (h)	ASTM D1640	≈ 5

# YHPUroof-8401

One-Component Polyurethane Waterproofing Top Coating for Heavy Pedestrian Traffic

## DESCRIPTION

YHPUroof-8401 is a single-component, cold-applied, moisture-cured aliphatic polyurethane waterproofing membrane that forms a seamless and highly durable protective layer for outdoor applications exposed to heavy pedestrian traffic. It can be used as a standalone system or as a topcoat over an aromatic polyurethane base layer—such as YHPUcoat-8200 or YHPUcoat-8400 to form an exposed system.

## SCOPE OF APPLICATION

YHPUroof-8401 is recommended for foot bridges, balconies, terraces, roof walkways, stadiums and other outdoor waterproof projects with heavy pedestrian traffic services.

## SPECIFICATION AND PACKAGING

Item	Description
Appearance	Viscous Liquid
Viscosity (mPa·s)	7000±2000
Color	Grey
Density (kg/L)	1.05 - 1.15
Solid Contents by Weight (%)	85 - 87
Pot Life (h)	2
Packaging Size	20 kg per metal pail
Consumption & Coverage	0.6-0.7 kg/m <sup>2</sup> , 30-33 m <sup>2</sup> /pail @0.5 mm dry film as top coat
Recommended Thickness	0.5 mm dry film by 1-2 coat 0.6-0.7 kg/m <sup>2</sup> /coat (1 coat), 0.3-0.4 kg/m <sup>2</sup> /coat (2 coats)
Shelf Life	12 months



## PRODUCT FEATURE

- Suitable for waterproofing top coat bearing heavy pedestrian traffic.
- Very high tensile and tear strength; excellent abrasion resistance.
- Aliphatic resin ensures UV resistance and non-yellowing.
- Excellent crack-bridging properties and flexibility, even at low temperatures.
- Resistant to water, deicing salts, diluted acid and alkaline.

## TYPICAL PROPERTIES

Item	Test Methods	Typical Values
Tensile Strength (MPa)	ASTM D412	≥ 11
Elongation at Break (%)	ASTM D412	≥ 350
Tear Strength (N/mm)	ASTM D624	≥ 40
Pull-off Adhesion to Concrete (MPa)	ASTM D7234	≥ 2.5
Shore A Hardness	ASTM D2240	≈ 70
Taber Abrasion (750 g, 500 r, CS-10) (mg)	ASTM D4060	≈ 35
Water Penetration Test (5 bar 3 days)	DIN 1048-5	No Penetration
Low Temperature Flexure (-35°C)	ASTM D522	No Cracks
Set-to-Touch Time (h)	ASTM D1640	≈ 3

# YHPUroof-8531

Highly Abrasion-Resistant Polyurethane Waterproof Coating for Heavy Pedestrian Traffic

## DESCRIPTION

YHPUroof-8531 is a single-component, cold-applied, moisture-cured aliphatic polyurethane waterproofing membrane that forms a seamless, highly abrasion-resistant, and durable layer suitable for outdoor applications with heavy pedestrian traffic. It can be used independently or as a top coat over an aromatic polyurethane base coat, such as YHPUcoat-8200 or YHPUcoat-8400.

## SCOPE OF APPLICATION

YHPUroof-8531 is recommended for footbridges, balconies, terraces, roof walkways, stadiums, and other outdoor waterproofing projects with heavy pedestrian and occasional light vehicular traffic.

## SPECIFICATION AND PACKAGING

Item	Data
Appearance	Viscous Liquid
Viscosity (cp)	7000±2000
Color	Grey
Density / kg/L	1.05 - 1.15
Solid Contents by Weight (%)	85 - 87
Pot life (h)	3
Packing Size	20 kg per metal pail
Consumption & Coverage	1.9-2.1 kg/m <sup>2</sup> , 10-11 m <sup>2</sup> /pail @1.5 mm dry film
Recommended Thickness	1.5 mm dry film by 2 coats 1.0 kg/m <sup>2</sup> /coat
Shelf Life	12 months



## PRODUCT FEATURE

- Suitable for waterproofing top coat bearing heavy pedestrian and/or casual vehicular traffic.
- Very high tensile and tear strength; excellent abrasion resistance. UV resistant and non-yellowing.
- Excellent crack-bridging properties and flexibility, even at low temperatures.
- Resistant to water, deicing salts, diluted acid and alkaline.

## TYPICAL PROPERTIES

Item	Test Methods	Typical Values
VOC (g/L)	ASTM D2369	≈ 180
Tensile Strength (MPa)	ASTM D412	≥ 15
Elongation at Break (%)	ASTM D412	≥ 450
Tear Strength (N/mm)	ASTM D624	≥ 50
Pull-off Adhesion to Concrete (MPa)	ASTM D7234	≥ 2.5
Shore A Hardness	ASTM D2240	≈ 70
Taber Abrasion (750 g, 500 r, CS-10) (mg)	ASTM D4060	≈ 20
Low Temperature Flexure (-35°C)	ASTM D522	No Cracks
Set-to-Touch Time (h)	ASTM D1640	3

# YHPAroof-8532

Two-Component Polyaspartic Waterproof Coating

## DESCRIPTION

YHPAroof-8532 is a two-component, chemically cured, low-VOC, aliphatic polyaspartic polyurea waterproofing membrane designed for use as a pedestrian and vehicular traffic-bearing top coat.

## SCOPE OF APPLICATION

YHPAroof-8532 is highly recommended as a pedestrian and vehicular traffic-bearing top coat in waterproofing projects, including multi-story parking garages, stadiums, and arenas. It can also be used in scenarios with long-term water immersion and/or water scour, such as outdoor swimming pools and water parks.

## SPECIFICATION AND PACKAGING

Item	Data	
	Clear	Tinted
Colors	-	Grey, White, Blue, Red, Green, Yellow
Appearance	Viscous Liquid	
Mixing Ratio by Weight	A:B=2:1	A:B=1:1
Density (kg/L)	A: 1.03 - 1.10; B: 1.00 - 1.10	A: 1.03 - 1.10; B: 1.30 - 1.45
Viscosity/mPa·s	A: 1200±300; B: 1400±100	A: 1200±300; B: 800±100
Solid Contents by Weight (%)	94-97	
Pot life (23°C, 50%Rh)	50-60 minutes	
Package Size	A: 9 kg + B: 4.5 kg/pail	A: 6 kg + B: 6 kg/pail
Consumption & Coverage	1.0-1.1 kg/m <sup>2</sup> , 12-13.5 m <sup>2</sup> /pail @1.0 mm dry film	1.2-1.3 kg/m <sup>2</sup> , 9-11 m <sup>2</sup> /pail @1.0 mm dry film
Recommended Thickness	1.0 mm dry film by 3 coats 0.30-0.35 kg/m <sup>2</sup> /coat	1.0 mm dry film by 2 coats 0.6-0.7 kg/m <sup>2</sup> /coat
Shelf Life	12 months	



## PRODUCT FEATURE

- Outstanding resistance to abrasion and wear.
- Low viscosity. Easy application by spraying, roller, brush and squeegee.
- Excellent crack-bridging properties and flexibility, even at low temperatures.
- Super UV-resistance and color retention.

## TYPICAL PROPERTIES

Item	Test Methods	Typical Values	
		Clear	Tinted
VOC (g/L)	ASTM D2369	≈ 75	≈ 94
Tensile Strength (MPa)	ASTM D412	≥ 13	≥ 15
Elongation at Break (%)	ASTM D412	≥ 450	
Tear Strength (N/mm)	ASTM D624	≥ 70	
Pull-off Adhesion to Concrete (MPa)	ASTM D7234	≥ 2.5	
Shore A Hardness	ASTM D2240	≈ 90	≈ 95
Taber Abrasion (750 g, 500 r, CS-10)	ASTM D4060	≈ 15 mg	≈ 12 mg
Low Temperature Flexibility (-35°C)	ASTM D522	No Cracks	

# YHPUroof-8733

High-Hardness Polyurethane Waterproof Coating for Heavy Vehicle Traffic

## DESCRIPTION

YHPUroof-8733 is a single-component, cold-applied, moisture-cured aliphatic polyurethane waterproofing membrane that forms a seamless, durable, and high-performance layer. Specifically designed as a wear coat and topcoat, it is ideal for applications subject to both pedestrian and vehicular traffic.

## SCOPE OF APPLICATION

YHPUroof-8733 is recommended for dams, balconies, terraces, roof walkways, stadiums, parking garages, arenas, and other outdoor waterproof projects with heavy pedestrian and/or casual vehicular traffic services.

## SPECIFICATION AND PACKAGING

Item	Description
Appearance	Viscous Liquid
Viscosity (cp)	7000±2000
Color	Grey
Density (kg/L)	1.15 - 1.30
Solid Contents by Weight (%)	85 - 87
Pot life (h)	2
Packing Size	20 kg per metal pail
Consumption & Coverage	2.0-2.3 kg/m <sup>2</sup> , 9-10 m <sup>2</sup> /pail @1.5 mm dry film
Recommended Thickness	1.5 mm dry film by 2 coats 1.0-1.2 kg/m <sup>2</sup> /coat
Shelf Life	12 months



## PRODUCT FEATURE

- ✓ Suitable for waterproofing top coat bearing heavy pedestrian and / or vehicular traffic.
- ✓ Very high tensile and tear strength; excellent abrasion resistance and hardness. UV resistant and non-yellowing.
- ✓ Excellent crack-bridging properties and flexibility, even at low temperatures.
- ✓ Resistant to water, deicing salts, diluted acid and alkaline.

## TYPICAL PROPERTIES

Item	Test Methods	Typical Values
Tensile Strength (MPa)	ASTM D412	≥ 20
Elongation at Break (%)	ASTM D412	≥ 250
Tear Strength (N/mm)	ASTM D624	≥ 60
Pull-off Adhesion to Concrete (MPa)	ASTM D7234	≥ 2.5
Shore A Hardness	ASTM D2240	≈ 90
Taber abrasion (750 g, 500 r, CS-10) (mg)	ASTM D4060	≈ 16
Water Penetration Test (5 bar 3 days)	DIN 1048-5	No Penetration
Low Temperature Flexure (-35°C)	ASTM D522	No Cracks
Set-to-Touch Time (h)	ASTM D1640	≈ 2

## PART 5

# Integrated Decoration and Waterproof Coatings For Exterior Wall



\* This mark means that the brochure does not include a single-page introduction to the product. For details, please contact the technical support.

## YHColorWall-5001

Water-based crack repairing cream



### Features



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## YHColorWall-5300

UV-Resistant Elastic Water-based Waterproofing Coating



### Features



## YHColorWall-5002

Acrylic Transparent Waterproofing Coating



### Features



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## YHColorWall-5100

Decorative & Waterproofing Mastic



### Features



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## YHColorWall-8108

Exposed Multicolor Water-Based Polyurethane Waterproofing Coating



### Features



## YHColorWall-5200

Multi-Functional Architectural & Waterproofing Coating for Exterior Wall



### Features



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# YHColorWall-5002

Acrylic Transparent Waterproofing Coating

## DESCRIPTION

YHColorWall-5002 is formulated from an acrylic emulsion combined with high-performance additives. It effectively isolates the intrusion of visible water into walls and provides a reliable solution to various wall leakage problems.

## SCOPE OF APPLICATION

Ideal for exterior walls, parapets, window sills, concrete, mortar, and brick surfaces, including previously painted areas. Also effective for sealing joints, laps, and fasteners on various roofing systems.

## SPECIFICATION AND PACKAGING

Item	Description
Packing size	20 kg/pail
Composition	Acrylic Emulsion
Color	Transparent
Consumption & Coverage	0.25-0.33 kg/m <sup>2</sup> (60-80m <sup>2</sup> /pail) applied in 2 coat
Surface Drying Time	2-3 hours (depending on ambient conditions)
Complete Drying Time	24 hours
Shelf Life	12 months



## PRODUCT FEATURE

- Superior Weather & UV Resistance: Provides long-lasting protection against environmental exposure.
- Sag-Resistant: Maintains stability and uniformity on vertical surfaces.
- Easy Application: Simple, efficient, and user-friendly to apply.
- Strong Adhesion: Adheres effectively to a wide range of substrates.
- Eco-Friendly & Non-Toxic: Safe for applicators and environmentally responsible.

## TYPICAL PROPERTIES

Item	Test Methods	Typical Values
Tensile Strength (MPa)	ASTM D412-16	≥ 3.0
Elongation at Break (%)	ASTM D412-16	≥ 350
Tensile Bond Strength (MPa)	ASTM D4541	≥ 1.2
Tear Strength (N/mm)	ASTM D624	≥ 12
Crack Bridging Ability (mm)	ASTM C1305	≈ 2.69
UV Exposure (Xenon Arc Lamps) - 720 hours	BS EN ISO 16474-2	No Visual Change

# YHColorWall-5100

Decorative & Waterproofing Mastic

## DESCRIPTION

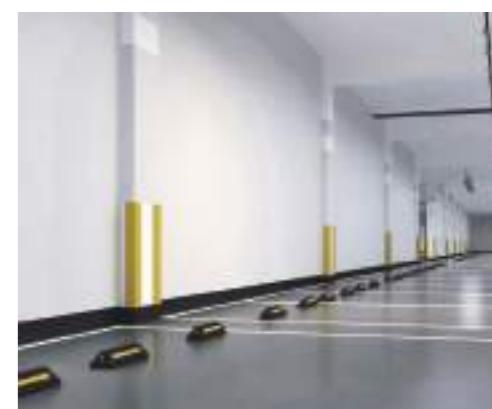
YHColorWall-5100 is a single-component, ready to use water resistant white cement based finishing / smoothening anti-seepage mastic for indoor and outdoor concrete structures. This product features excellent anti-seepage, anti-mold, leveling, and decorative properties. It is primarily used for the repair and waterproofing of damaged concrete or masonry structures, restoring the aesthetic and functional performance of buildings.

## SCOPE OF APPLICATION

YHColorWall-5100 is suitable for the repair and waterproofing of damaged concrete or masonry structures, especially for new construction and maintenance of elevator pits, pools, culverts, and underground garage side walls.

## SPECIFICATION AND PACKAGING

Item	Description
Appearance	White powder
Packaging	Plastic pail or valve bag
Packing Size	20 kg per pail
Consumption & Coverage	3.9-4.5 kg/m <sup>2</sup> , 4-5 m <sup>2</sup> /pail @3 mm dry film
Recommended Thickness	3.0 mm dry film by 3 coats 1.3-1.5 kg/m <sup>2</sup> /coat
Shelf Life	12 months



## PRODUCT FEATURE

- Excellent white look and smooth finish.
- Excellent water resistant capability.
- No flaking, blistering, chalking.
- Excellent anti-seepage performance, with a coating anti-seepage pressure greater than 1.0MPa.
- Anti-mold, effectively inhibiting mold growth.
- Cured surface shows distinct anti-efflorescence effect.
- Superb bonding: white cement base provides great adhesion to walls.
- Can be applied on moist surface.

## TYPICAL PROPERTIES

Item	Test Methods	Typical Values
Initial Setting Time (min)	ASTMC266	> 100
Final Setting Time (min)	ASTMC266	< 250
Compressive Strength (28d) (MPa)	ASTMC109	≥ 30
Flexural Strength (28d) (MPa)	ASTMC348	≥ 6
Tensile Adhesion (28d) (MPa)	ASTMC190	≥ 1.2
Pull-Bond to Concrete (MPa)	ASTMD7234	≥ 1.5

# YHColorWall-5200

Multi-Functional Architectural & Waterproofing Coating for Exterior Wall

## DESCRIPTION

YHColorWall-5200 is a two-component, ready to use water resistant smooth coating that provides strong adhesion to various substrates, as well as excellent weather-resistant, waterproofing and decorative properties. It consists of an inorganic composite system with polymer latex, adding inorganic pigments and additives, and mixing them in an appropriate ratio.

## SCOPE OF APPLICATION

It is used for various exterior wall of residential buildings, hospitals, schools, and industrial plants in new and old exterior wall painting renovation projects. It can firmly adhere to various substrates including concrete, ceramic tiles, clay bricks, mosaics, metal plates, and PVC, serving as a decorative and protective coating for wall surfaces.

## SPECIFICATION AND PACKAGING

Item	Part A	Part B
Appearance	Liquid	Powder
Colors	White or other customized color	
Ratio of Part A to Part B	1:1	
Packing Size	20 kg per pail	5 kg × 4 bags per carton
Consumption & Coverage	0.6-0.7 kg/m <sup>2</sup> (57-67m <sup>2</sup> /set)	Applied in 2 coats
Shelf Life	12 months	



## PRODUCT FEATURE

- Eco-friendly and easy to apply.
- Strong adhesion to various substrates.
- Excellent weather resistance and waterproof ability.
- Dirt pickup resistant.
- Breathable to allow water vapor to escape.
- Multiple color options.

## TYPICAL PROPERTIES

Item	Test Methods	Typical Values
VOC (g/L)	ASTMD2346	≈ 18
Tensile Strength (MPa)	ASTMD412	≥ 2.0
Elongation at Break (%)	ASTMD412	≥ 50
Pull-bond Strength (MPa)	ASTMD4541	≥ 1.5
Vapor Permeability (0.08mm Dry Film thickness) / (g/m <sup>2</sup> ·h)	ASTMD1632	≈ 83
Artificial Weathering (Xenon Arc Lamp for 2800h)	BS EN ISO 16474-2	No Obvious Visual Change
Dirt pick-up Resistance (3 month exposure)	ASTMD3719	Pass
Algae Resistance (3 weeks exposure)	ASTMD5589	No Growth

# YHColorWall-5300

UV-Resistant Elastic Water-based Waterproofing Coating

## DESCRIPTION

YHColorWall-5300 is a high-performance wall coating formulated with a specialized emulsion, premium fillers, and functional additives to deliver long-lasting and effective protection.

## SCOPE OF APPLICATION

Ideal for waterproofing both new and existing outdoor concrete roofs, terraces, gutters, balconies, and other directly exposed surfaces. It is also well-suited for color steel roofs, especially those with intricate details such as penetration drains and complex geometries. Additionally, it offers effective protection for external walls against water intrusion.



## SPECIFICATION AND PACKAGING

Item	Description
Packaging	4kg pail / 20 kg pail
Composition	VAE Emulsion
Density (g/L)	1.7
Colors	White / Blue / Grey / Red / Green / Brown
Consumption & Coverage	For wall: 1.9-2.1 kg/m <sup>2</sup> , 10-11 m <sup>2</sup> /pail @ 1 mm dry film For roof: 2.9-3.2 kg/m <sup>2</sup> , 6-7 m <sup>2</sup> /pail @ 1.5 mm dry film
Recommend Thickness	For wall: 1 mm dry film by 2 coats, 1.0-1.1 kg/m <sup>2</sup> /coat For roof: 1.5 mm dry film by 3 coats, 1.0-1.1 kg/m <sup>2</sup> /coat
Shelf Life	12 months



## PRODUCT FEATURE

- Cold applied: Requires no heat or flame.
- UV Resistant & Durable: Provides reliable protection against sun exposure and weathering.
- User-Friendly Application: Easy to apply, requiring minimal effort and expertise.
- Eco-Friendly & Water-Based: Safe for users and the environment, with a water-based formulation.

## TYPICAL PROPERTIES

Item	Test Methods	Typical Values
Tensile Strength (MPa)	ASTM D412	≥ 2.5
Elongation at Break (%)	ASTM D412	≥ 550
Tensile Bond Strength (MPa)	ASTM D4541	≥ 1.20
Low Temperature Bend / (-30°C, no crack)	ASTM D522	No Crack
Behavior after Artificial Weathering (Xenon Arc Lamps) - 720 hours	BS EN ISO 16474-2	No Visual Change
Solar Reflectance Index	ASTM E1980	≥ 103 %
Solar Reflectance	ASTM E903	≥ 80 %

# YHColorWall-8108

Exposed Multicolor Water-Based Polyurethane Waterproofing Coating

## DESCRIPTION

YHColorWall-8108 is a high-performance, water-based coating formulated with a water-based polyurethane dispersion as its primary film-forming agent. Enhanced with specialized additives, pigments, and fillers, it offers exceptional weather resistance and easy application. Combining the superior mechanical properties of solvent-based polyurethane coatings with the eco-friendly advantages of water-based formulations, it provides durable and sustainable waterproofing protection.

## SCOPE OF APPLICATION

Suitable for both new construction and renovation projects requiring exposed waterproofing, including concrete roofs, tiled roofs, and exterior walls.

## SPECIFICATION AND PACKAGING

Item	Description
Type	Single Component
Physical State	Liquid
Colors	7 Colors
Density (kg/L)	1.40 - 1.60
Solid contents by weight (%)	63 - 68%
Package	Plastic pail
Packing Size	20kg per pail
Consumption & Coverage	For wall: 2.2-2.6 kg/m <sup>2</sup> , 8-9 m <sup>2</sup> /pail @1 mm dry film For roof: 3.3-3.9 kg/m <sup>2</sup> , 5-6 m <sup>2</sup> /pail @1.5 mm dry film
Recommended Thickness	For wall: 1 mm dry film by 2 coats, 1.1-1.3 kg/m <sup>2</sup> /coat For roof: 1.5 mm dry film by 3 coats, 1.1-1.3 kg/m <sup>2</sup> /coat
Shelf Life	12 months



## PRODUCT FEATURE

- Odorless & Low VOC: Safe, eco-friendly, and user-friendly.
- Superior Durability: Exceptional weather resistance and mechanical strength, thanks to its pure polyurethane composition.
- High Adhesion: Forms strong bonds with a wide range of substrates.
- Water & Corrosion Resistant: Offers long-lasting protection against water and corrosion.

## TYPICAL PROPERTIES

Item	Test Methods	Typical Values
Tensile Strength (MPa)	ASTM D412	≥ 2.0
Elongation at Break (%)	ASTM D412	≥ 500
Tear Strength (N/mm)	ASTM D624	≥ 20
Pull-off Adhesion to Concrete (MPa)	ASTM D7234	≥ 1.2
Shore A Hardness	ASTM D2240	≈ 60
Water Penetration Test (5 bar 3 days)	DIN 1048-5	≈ 0
Water Vapor Transmission (g/m <sup>2</sup> ·24h)	ASTM E96	≈ 42
Low Temperature Flexure (-35°C)	ASTM D522	No Cracks
VOC (g/L)	ISO 11890-2	≈ 0

## PART 6

# Synthetic Polymer Membranes



\* This mark means that the brochure does not include a single-page introduction to the product. For details, please contact the technical support.

## PMH-3040 Plus High Density Polyethylene (HDPE) Pre-applied Waterproofing Membrane



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## YHDrainPro High-Strength Drainage Composite Board



## PMH-3080 High Density Polyethylene (HDPE) Pre-applied Waterproof Membrane

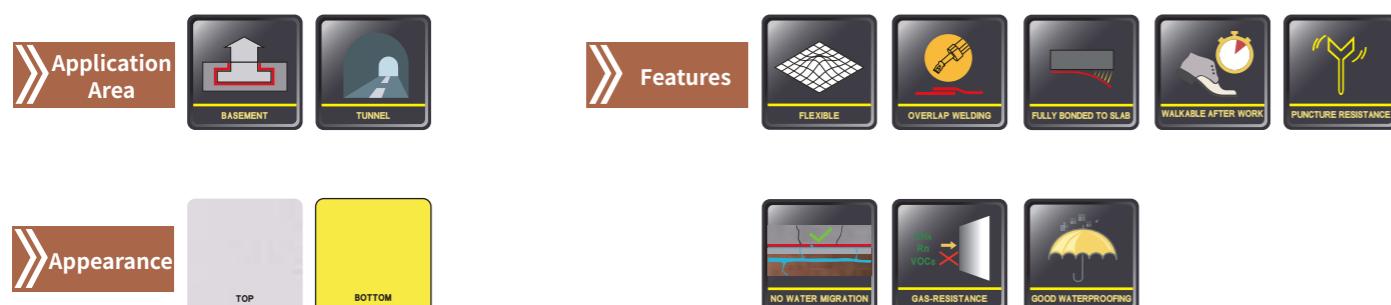


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## PMT-3020L Fleece-back TPO Membrane



## TPR-YP TPR Flexible Pre-applied Waterproofing Membrane



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## PMT-3030P Reinforced TPO Membrane



# PMH-3040 Plus

High Density Polyethylene (HDPE) Pre-applied Waterproofing Membrane

## DESCRIPTION

PMH-3040 Plus is a pre-applied high density polyethylene (HDPE) Waterproofing membrane. It is a composite sheet comprised of thick HDPE film, pressure sensitive adhesive and weather resistant protective coating. It is designed with 80mm dual adhesive seams that allows a strong bond which creates a super strong adhesion and is unaffected by weather elements.

## SPECIFICATION AND PACKAGING

Item	Description
Packaging	Roll
Width (m)	1.2 (can be customized)
Thickness (mm)	1.2, 1.5
Length (m)	30 (can be customized)
Roll Size (m <sup>2</sup> /roll)	36 (can be customized)
Shelf Life	12 months

## PRODUCT FEATURE

- Unaffected by ground settlement.
- Easy application & reduced installation time.
- No lateral migration of water.
- Allows maximum use of confined sites.
- Trafficable immediately after application.
- Application unaffected by wet weather.
- Chemical resistance, protects the structure from acid,alkali or salt attack.
- Resistant to methane and radon gases.

## TYPICAL PROPERTIES

Item	Test Methods	Typical Values
Color	-	White
Thickness (mm)	ASTM D3767	≥ 1.2
Tensile Strength (L/T) (MPa)	ASTM D412	≥ 25 / ≥ 28
Elongation (L/T) (%)	ASTM D412	≥ 500 / ≥ 500
Puncture Resistance (N)	ASTM E154	≥ 1000
Peel adhesion to Concrete (N/m)	ASTM D903	≥ 1800
Resistance to Hydrostatic Head (m)	ASTM D5385	≈ 71
Peel Strength in Lap (N/m)	ASTM D1876	≥ 1800
Crack Cycling	ASTM C1305	-23°C, 100 cycles no crack
Water vapour Transmission	ASTM E96 Method B g/(m <sup>2</sup> · h)	≤ 0.0043
Water Absorption (%)	ASTM 570	≤ 0.5
Flexibility at Low Temperature (°C)	ASTM D1970	-29



# PMH-3080

High Density Polyethylene (HDPE) Pre-applied Waterproof Membrane

## DESCRIPTION

PMH-3080 is a pre-applied high density polyethylene (HDPE) Waterproofing membrane. It is a composite sheet comprised of thick HDPE film, pressure sensitive adhesive and particles on top as protection layer. It is designed a fast and full bond to fresh concrete.

## SCOPE OF APPLICATION

PMH-3080 is suitable for various underground waterproofing projects, such as foundation slabs of underground structures in civil and industrial buildings, highway tunnels, railway tunnels, subway sections, cavern projects excavated using the mining method, underground waterproofing for nuclear island and non-nuclear island areas.



## SPECIFICATION AND PACKAGING

Item	Description
Packaging	Curled into a cylindrical, using suitable packaging material
Width (m)	1.2, 2.4
Thickness (mm)	1.2, 1.5, 1.7
Length (m)	20 or Customized
Roll Size (m <sup>2</sup> /roll)	24, 48 or Customized
Shelf Life	12 months

## PRODUCT FEATURE

- Fully bond to structure concrete.
- No lateral migration of water.
- Allows maximum use of confined sites.
- Outstanding physical performance.
- No need for a protective concrete layer.
- Easy roll/kick out installation.

## TYPICAL PROPERTIES

Item	Test Methods	Typical Values
Thickness (mm)	ASTM D3767	≥ 1.2
Tensile strength (L/T) (MPa)	ASTM D412	≥ 21 / ≥ 23
Elongation (L/T) (%)	ASTM D412	≥ 500 / ≥ 500
Puncture Resistance (N)	ASTM E154	≥ 1000
Peel Adhesion to Concrete (N/m)	ASTM D903	≥ 1800
Resistance to Hydrostatic Head (m)	ASTM D5385	≈ 71
Peel Strength in Lap (N/m)	ASTM D1876	≥ 1000
Crack Cycling	ASTM C1305	-23°C, 100 Cycles No Crack
Water Vapour Transmission [g/(m <sup>2</sup> · h)]	ASTM E96 Method B	≤ 0.0043
Flexibility at Low Temperature (°C)	ASTM D1970	-29

# PMT-3020L

Fleece-back TPO Membrane

## DESCRIPTION

PMT-3020L fleece-back TPO membrane is manufactured through hot-melt extrusion, using high-quality TPO resin as the primary raw material, and incorporates a non-woven fabric layer. The layers of the sheets from top to bottom are surface functional layer, TPO resin layer, and non-woven fabric layer, respectively. The surface functional layer is of colourless transparent resin patented by Yuhong, which provides excellent dirt-pickup resistance. This membrane is designed for application in adhered roofing and waterproofing systems.

## SPECIFICATION AND PACKAGING

Item	Description
Width (m)	2.0
Thickness (mm)	1.2, 1.5, 1.8
Length (m/roll)	25, 30
Roll Size (m <sup>2</sup> )	50, 60
Shelf Life	12 months

## PRODUCT FEATURE

- Patented function layer on the surface are not easy to adsorb dust, which is beneficial for maintaining a higher solar reflectivity coefficient.
- Homogeneous hot air-welded joints, and high aesthetic appearance.
- Plasticizer free (no migration / contamination or leaching).
- Good vapor permeability.

## TYPICAL PROPERTIES

Item	Test Methods	Typical values
Tensile Strength / (N/50mm), (L/T)	BS EN 12311-2	≥ 700 / ≥ 450
Elongation at Break / (%), (L/T)	BS EN 12311-2	≥ 800
Peel resistance of Joints / (N/50mm)	BS EN 12316-2	≥ 300
Shear resistance of Joints/ (N/50mm)	BS EN 12317-2	≥ 300
Low temperature Flexibility (-40°C)	BS EN 495-5	No Leakage
Watertightness Test	BS EN 1928	Pass
Resistance to Impact (Hard support)	BS EN 12691, Method A	≥ 700 mm, No Puncture & No Leakage
Resistance to Impact (Soft support)	BS EN 12691, Method B	≥ 1800 mm, No Puncture & No Leakage
Solar Reflectance Index, SRI	ASTM E903	Low-wind ≈ 99
	ASTM C1371	Medium-wind ≈ 99
	ASTM E1980	High-wind ≈ 99
UV Exposure (3000 hrs)	BS EN 1297	No Significant Change



# PMT-3030P

Reinforced TPO Membrane

## DESCRIPTION

PMT-3030P is a thermoplastic polyolefin waterproofing membrane that is made with Lyondell Basell Hifax Series TPO special high-quality resin and a polyester mesh reinforced fabric as the base layer. It is backed with special characteristics such as flame retardant, light shielding & light stabilizer and antioxidant. It has excellent weathering properties, which allows it to be used either as a concealed or exposed system.

## SPECIFICATION AND PACKAGING

The product is designed for waterproofing protection to various kinds of roof waterproof projects, including commercial and residential buildings, such as convention centers, exhibition halls, stadiums, libraries, airports, warehouses, schools, offices, hotels, hospitals, apartments, sports centers, as well as all types of renovation and repair projects. It's ideally suited for metal roofs, exposed concrete roofs, and green roofs.



## SPECIFICATION AND PACKAGING

Item	Description
Width (m)	2.0
Thickness (mm)	1.2, 1.5, 1.8, 2.0
Length (m)	20, 25
Roll Size (m <sup>2</sup> )	40, 50
Shelf Life	12 months

## PRODUCT FEATURE

- Hot air welding-Homogenous Joints.
- Excellent Weather Resistance and Durability.
- No plastizer in TPO that affects service life.
- Excellent Low Temperature Resistance.
- Chemical and Corrosion Resistance.Root Resistance.Energy saving, Environment Friendly.

## TYPICAL PROPERTIES

Item	Test Methods	Typical values
Thickness (mm)	ASTM-D6878 & D751-19	≥ 1.5
Water Absorption (%)	ASTM-D6878 & D471-16A	≤ 0.5
Ozone Resistance	ASTM-D6878 & D11491-18	No Cracks
Factory Seam Strength (N)	ASTM-D6878 & D751-19	≥ 700
Breaking Strength (N)	ASTM-D6878	≥ 1600
Elongation at Reinforcement Break (%)	ASTM-D6878 & D751-19	≥ 20
Tear Strength (L/T) (N)	ASTM-D6878 & D751-19	≥ 245
Thickness of Coating Over Fabric or Scrim (mm)	ASTM-D6878 & D7635	≥ 0.55
Linear Dimensional Change (%)	ASTM-D6878 & D1204-14	± 1
Heat Ageing	ASTM-D6878 135°C & 1344hs	No Cracks

## PART 7

# Repairing Waterproof Products



\* This mark means that the brochure does not include a single-page introduction to the product. For details, please contact the technical support.

### YHTape-2020BR-AL/FL Exposed Butyl Tape

#### » Application Area



#### » Features



\* Only FL surface can be exposed



#### » Appearance



### YHCrystal-2510 Cementitious Concentrate Crystalline Waterproofing Coating

#### » Application Area



#### » Features



#### » Appearance



### YHCrystal-2512 Cementitious Crystalline Concrete Admixture

#### » Application Area



#### » Features



#### » Appearance





# YHCrytal-2510

Cementitious Concentrate Crystalline Waterproofing Coating

## DESCRIPTION

YHCrytal-2510 is a high-performance, powder-based rigid waterproofing material composed of specially selected cement, graded quartz sand, and active chemical compounds. Upon application, these reactive agents penetrate the concrete substrate in the presence of moisture, initiating a catalytic crystallization process. The resulting water-insoluble crystals grow deep within capillary pores and microcracks, effectively densifying the concrete, reducing permeability, and providing long-term integral waterproofing protection.



## SCOPE OF APPLICATION

Ideal for permanent waterproofing and anti-seepage protection of concrete structures such as basements, tunnels, sewage treatment tanks, water reservoirs, sewers, elevator pits, swimming pools, chemical plants, and other cementitious substrates.

## SPECIFICATION AND PACKAGING

Item	Description
Physical State	Powder
Color	Grey
Packing Size	4 kg × 5 bags per plastic pails
Consumption & Coverage	1.5 kg/m <sup>2</sup> , 13 m <sup>2</sup> /pail @ 1.0 mm wet film
Recommended Thickness	1.0 mm wet film by 2 coats 0.7-0.8 kg/m <sup>2</sup> /coat
Shelf Life	12 months

## PRODUCT FEATURE

- Migration of active components and crystalline formation to seal capillary network.
- For positive and negative side waterproofing.
- Good adhesion to concrete.
- Highly resistant to harmful chemical erosion, enhancing the durability of the concrete.
- Environmentally friendly, non-toxic, and harmless, making it safe for use in drinking water projects.
- Self-repairing function, capable of quickly sealing cracks less than 0.4 mm.

## TYPICAL PROPERTIES

Item	Test Methods	Typical Values
Depth of Penetration of Water Under 5 bar for 72hrs for Hardened Concrete Properties	DIN 1048 Part 5: 1991	None ≈ 30
2 layers of Admix (powder : water = 1 : 0.37) are applied and curing for 7 days. The coating amount is 1.5 kg/m		≈ 10
Compressive strength (28d) (MPa)	ASTM C109	≥ 20
Flexural strength (28d) (MPa)	ASTM C348	≥ 5

# YHRepair-2516

Multi-Functional Waterplug

## DESCRIPTION

YHRepair-2516 is a powder-based waterproof leak stopper, formulated with a specialized blend of cement and advanced additives. It is designed for rapid and effective leak sealing, making it ideal for critical waterproofing areas, such as internal wall-floor corners and pipe roots, before applying other waterproofing materials in kitchens, bathrooms, and similar environments.

## SCOPE OF APPLICATION

It is ideal to repair non-moving (static) cracks and holes with running water or moisture seepage. It is highly effective for emergency repairs in critical infrastructure such as underground utility tunnels, basements, retaining walls, water supply pipelines, dams, and equipment foundations. Additionally, it is particularly well-suited for strengthening critical waterproofing applications, such as sealing internal corners of walls and floors, as well as areas around pipe penetrations, prior to applying waterproof materials in kitchens and bathrooms. It can also be used for exterior wall waterproofing.

## SPECIFICATION AND PACKAGING

Item	Description
Packaging	4 kg×5 bags per carton
Appearance	Dark gray powder
Shelf Life	12 months



## PRODUCT FEATURE

- Rapid Hardening & Early Strength: Sets quickly for efficient waterproofing.
- High Bonding Strength: Guarantees strong adhesion to substrates.
- Superior Leak Prevention & Impermeability: Effectively prevents water intrusion.
- Non-Toxic After Curing: Safe for use in a variety of applications.

## TYPICAL PROPERTIES

Item	Test Methods	Typical Values
Reaction to Fire	EN 13501-1	Fire Rating, Classified A1
Initial Setting Time (23°C, water/powder=0.27) (min)	BS EN 196-3	≈ 2.3
Final Setting Time (23°C, water/powder=0.27) (min)	BS EN 196-3	≈ 3.1
Compressive Strength (1h) (MPa)	ASTM C 109	≥ 12
Compressive Strength (28 days) (MPa)	ASTM C 109	≥ 40
Flexural Strength (28 days) (MPa)	ASTM C348	≥ 5.5
Tensile Adhesion (MPa)	ASTM C496	≥ 5

# YHPUseal-2925

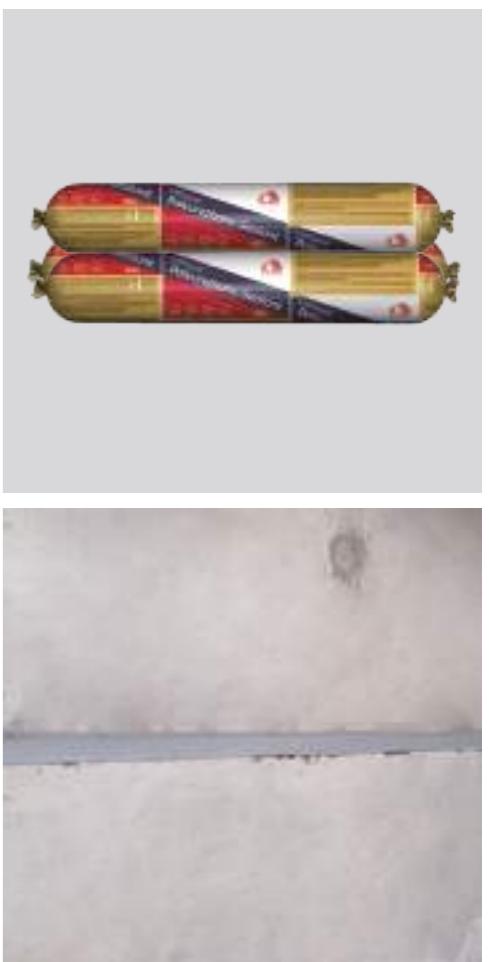
Elastic Polyurethane Joint Sealant

## DESCRIPTION

YHPUseal-2925 is a single-component, moisture-curing, high solid content, polyurethane elastic joint sealant. It is used for durably sealing connection and movement joints in concrete and masonry facades and also as general purpose construction sealant.

## SCOPE OF APPLICATION

YHPUseal-2925 is used for sealing and weatherproofing joints in the building envelope where reliability and durability is required. Typical applications include joints in concrete panel and wall systems, around window and door frame, flashing, common roofing detail applications.



## SPECIFICATION AND PACKAGING

Item	Data
Appearance	Pasty
Color	Grey
Density (kg/L)	1.30 - 1.50
Solid Contents by Weight (%)	99%
Service Temperature	-40°C - 90°C
Shelf Life	12 months
Packaging Form	Soft pack
Packing Size (ml)	600

## PRODUCT FEATURE

- Easy to extrude and tool. Movement capability of ± 25 %.
- Good adhesion to many construction materials.
- Bubble-free curing.
- Non-leaching.

## TYPICAL PROPERTIES

Item	Test Methods	Typical Values
Movement Capability (%)	ASTM C719	±25
Modulus at 100% Extension (MPa)	ASTM D412	≈ 0.5
Tensile Strength (MPa)	ASTM D412	≥ 1.5
Elongation at Break (%)	ASTM D412	≥ 800
Adhesion in Peel (on concrete) (N/mm)	ASTM C794	≥ 2.5
Shore A Hardness	ASTM C661	≈ 30
Sag Flow (mm)	ASTM C639	≈ 0
Tack-Free Time (min)	ASTM C679	≈ 50