

DESCRIPTION

YuGuard-9IWS self-adhered roofing underlayment is a premier membrane composed of two waterproofing materials: an aggressive rubberized asphalt adhesive backed by a layer of slip-resistant coated high-performance modified polyethylene film. The rubberized asphalt surface is protected by a foldless release liner that preserves its adhesive quality. During application, the release liner is easily removed, enabling the rubberized asphalt to form a tight bond with the roof deck. It is specifically designed for waterproofing protection on sloped roof applications subjected to the effects of ice damming and wind driven rain.

CHARACTERISTICS AND PACKAGING

| Item | Description |
|----------------|---------------------------------|
| Packaging | Roll |
| Width | 39.37 in (1000mm) |
| Thickness | 39.37 mils (1.0mm) |
| Length | 215.28 ft (20m) |
| Roll Size | 215.28 ft 2 (20m ²) |
| Top surface | Anti-skid high-strength film |
| Bottom surface | Release film |

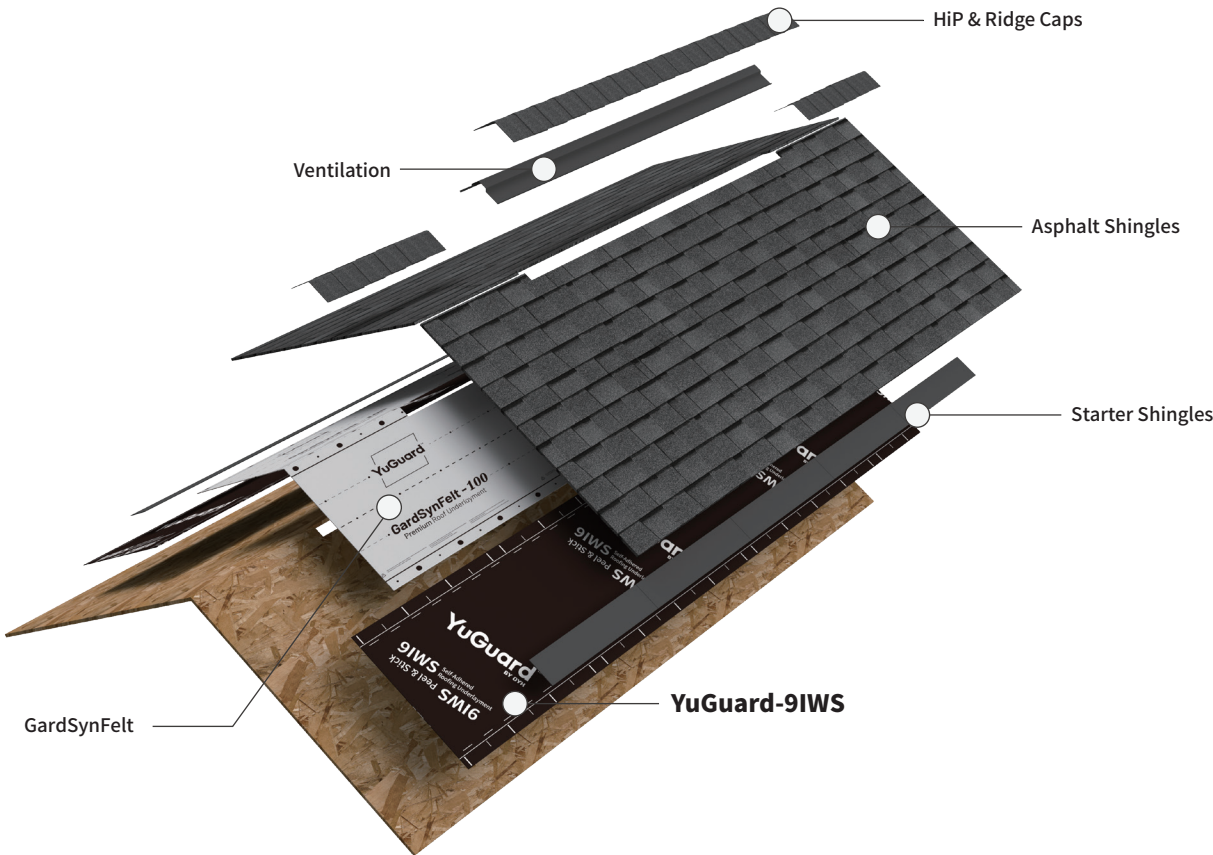
WHERE TO USE

It is a multi-purpose underlayment material that may be used on sloped roofs, under mechanically attached roof coverings such as asphalt shingles, slate, tile, cedar, and standing seam metal in many climate and assembly conditions.

ADVANTAGES

- 01 Excellent sealing around fasteners
- 02 Strong adhesion to the deck
- 03 Watertight laps
- 04 Slip resistant surface
- 05 Good heat resistance

INSTALLATION AREA



PROPERTIES

| Item | Test Method | Typical Values |
|---|-----------------------------|---------------------------|
| Tensile Strength (MD / CD), psi[kN/m ²] | ASTM D412-16 (2021)Method A | 914 (6300 / 972 (6700) |
| Elongation at break (MD / CD)[%] | ASTM D412-16 (2021)Method A | 221 / 278 |
| Low temperature flexibility, -20.2°F (-29°C) | ASTM D1970 / D1970M-21 | No crack |
| Water Vapour Permeance, perms [ng / (Pa · s · m ²)] | ASTM E96 / E96M-22 | 0.03 (1.5) |
| Tear Strength (MD / CD), lbf[N] | ASTM D1970 / D1971M-21 | 44.74 (199) / 44.29 (197) |
| Peel strength-Adhesive to concrete, lbf / in [N/mm] | ASTMD903-98 (2017) | 13.13 (2.30) |
| Peel strength-Adhesion to steel, lbf / in [N/mm] | ASTMD903-98 (2017) | 12.22 (2.14) |
| Peel strength-Adhesion to plywood, lbf / in [N/mm] | ASTMD903-98 (2017) | 5.92 (1.04) |

APPLICATION INSTRUCTIONS

Substrate preparation: The substrate should be solid, flat and dry, clean, no sand, dust, grease and loose nails. Protrusions from the deck area must be removed. Decks shall have no voids, damaged, or unsupported areas. Repair deck areas as needed before installing the membrane. Prime the substrate if necessary.

Membrane application: Apply membrane from the low point to the high point so that laps shed water. Overlap all seams at least 80mm. Stagger all end laps. Roll the entire membrane firmly and completely as soon as possible. Cover the face of the roller with a resilient material to allow the membrane to fully contact the primed substrate. Seal all T-joints and membrane terminations with sealant or mastic by the end of the day.

TRANSPORTATION AND STORAGE

- 01 The product should be stored in ventilated places, with no exposure to sunlight, rain, or fire.
- 02 Avoid collisions during transportation. The storage temperature should not exceed 45°C.
- 03 The shelf life is 12 months from the production date under normal transportation and storage conditions.

PRECAUTIONS

- 01 Read the product label and Material Safety Data Sheet (MSDS) before using it.
- 02 Users should acquaint themselves with all risks & safety regulations and conform to manufacturer's recommendations, material handling and storage specifications.
- 03 Construction is strictly prohibited in rainy, snowy days and windy days above level 5.
- 04 The construction environment temperature should not be lower than 5°C.
- 05 When precipitation occurs in the construction process, the laid coil should be well protected.
- 06 Where the temperature is low or the local stress is high, the shop can be paved with the help of auxiliary heating.

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