

## Technical Data Sheet      HS-781L

### Product Description

Redispersible VAE powder HS-781L is a product made of vinyl acetate-ethylene (VAE) copolymer emulsion as the main component, via spray drying process into flowable white polymer powder, which is specifically suited for self-leveling flooring mortar.

### Product Property

- HS-781L as a VAE polymer powder can be redispersed well into polymer emulsion again after mixing with water.
- HS-781L with the characteristics of high glass transition temperature, therefore, has excellent bonding performance.
- HS-781L can form hard film inside and surface of the finished construction material product, which can significantly improve the compressive and flexural strength and abrasion of mortar
- HS-781L shows good deformability which can help to achieve smooth surface.
- HS-781L with good acid and alkaline resistance, is good for the workability and weatherability of the construction material products which used it.
- HS-781L not only retains the superior performances of the original VAE emulsion, such as good film formation, excellent adhesion and durable flexibility, but also improves the convenience and stability for transportation, storage and operation.
- HS-781L is produced without adding plasticizer, film forming additives or solvent, so it has excellent environmental protection, low odor, low VOC.

### Technical Data

Property	Method	Result
Appearance	visual	White powder
Solid content	GB/T 29594	≥98.0%
Ash content	GB/T 29594	11±2%
Bulk density	GB/T 29594	450~650 g/L
Tg	Hongshi method	Approx. 15°C
MFFT	Hongshi method	4°C
>450μm	Hongshi method	≤2.0%

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## Applications and dosage

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HS-781L is recommended to use in self-leveling mortar.

- In self-leveling mortar formulation, is recommended to add 1.5~3% dosage of HS-781L, to improve its bonding strength, flexural strength and abrasion performance, etc.

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## Storage

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- HS-781L storage should protect from moisture.
- At storage temperatures above 30℃ or under pressure during storage may cause HS-781L caking occurs.
- If HS-781L is not used up after opening, it should be sealed in time and used as soon as possible.
- The optimal service life of HS-781L is 6 months, and the possibility of the product performances beyond the best use period will be reduced.
- In order to ensure the best use effect of HS-781L, it is recommended to test the product's performances before use.

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## Packaging

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- 25Kg Paper bag
- 600Kg Big Bag

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## Transportation

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Ensure that the packaging is intact during transportation, protects from moisture, avoids high temperature and pressure.

*This information is based on the description of the product and its current knowledge of the product in consideration of the need for safe use. But these data do not serve as a guarantee for some specific application scenarios. It is the responsibility of the product user to ensure that the formulation is suitable for the purpose of its use. Hongshi is not responsible for any risk arising from such information. At the same time, according to the needs of product development and technological progress, Hongshi will reserve the right to update the product data. (06-2024)*