

Technical Data Sheet

8048H Instant-Dissolving and Waterproof Redispersible Polymer Powder

Product overview

8048H is a very strong hydrophobic dispersible polymer powder for dry mix mortars, specifically suited for tile grouts, renders and plasters, skim coats featured by waterproof requirements. It is based on a flexible terpolymer of vinyl chloride, ethylene and vinyl laurate.

8034H belongs to the product class Accurate® H which means that it provides a remarkable hydrophobic effect in addition to adhesion.

Technical Data Specification

Property	Condition	Value
Ignition residue	950 °C	max. 15 %
Solids content	-	min. 98 %
Bulk density	-	400 - 550 kg/m ³
Particle size	> 400 µm	max. 4 %

General Characteristics

Property	Condition	Value
Appearance	-	white to light beige powder
Minimum film forming temperature	-	0 °C
Protective colloid / emulsifier system	-	polyvinyl alcohol

These figures are only intended as a guide and should not be used in preparing specifications.

Applications

Waterproof mortar / Waterproof putty / Waterproof coating
Ceramic tile adhesive
Bonding mortar / Finish mortar
Cement-based self-leveling mortar
Repair mortar

Application Details

- **Most recommendation: Dry mixing method (factory pre-mixing)**

This is the most commonly used method. Mix 8048H latex powder precisely and evenly with other dry powder raw materials (such as cement, sand powder, calcium carbonate, cellulose ether, etc.) in the factory to produce ready-to-use dry powder mortar products (such as tile adhesive, waterproof mortar, etc.). After the product is packaged and transported to the construction site, nothing is needed but adding water in proportion and stirring to use.

- **Alternative solution: Wet mixing method (on-site preparation)**

Add 8048H latex powder directly to water, and quickly stir to prepare a polymer emulsion. Then, use this emulsion as the liquid component and mix it with cement, sand and other materials on-site for use. This method is more suitable for small batches or special construction requirements.

Performance features:

Rapid dispersion: After being exposed to water, it can disperse rapidly within 20 seconds and revert to a stable polymer emulsion, significantly enhancing the construction efficiency.

Long-lasting waterproofing: It endows the final product with excellent waterproofing, water resistance, and impermeability, maintaining its performance even when exposed to a humid environment for a long time.

High bonding strength: Significantly enhances the internal cohesion strength of the material and its adhesion to the substrate.

Flexible and crack-resistant: Effectively compensates for the brittleness of cement-based materials, improving crack resistance, impact resistance, and deformation adaptability.

Anti-caking: The powder is loose and has good fluidity, making it easy to store and mix for processing.

Low-temperature film formation: Ensures effective film formation within a wide temperature range, ensuring stable performance.

Chemical stability: Good compatibility with various building material additives, maintaining stable performance in complex formulations.

Weather resistance and durability: Extends the service life of the product, suitable for various harsh environments both indoors and outdoors.

Packaging and storage

Packaging

1. Multi layer paper bag with inner PE film
2. 25kg/bag, 600kg/pallet, 700kg/ pallet or 1300kg/pallet
3. 20' container: 13 Tons, 40' container: 26 Tons (with pallet)
4. Neutral or blank bag available, OEM brand available

Storage

Store in cool, dry and clean conditions. Due to the thermoplastic nature of redispersible powder, it is not recommended to stack double pallets during storage and transportation. In order to avoid caking, long-term storage in high temperature, high humidity and heavy pressure

environments should be avoided. Due to the slight caking caused by poor storage and transportation conditions, if the caking can be crushed into the original powder, it can continue to be used. The shelf life is one year and it is recommended to use the product within 6 months after receiving the goods. If the product is stored longer than recommended, it may still be used but users are advised to verify the properties required for the intended use.

Safety notes

Comprehensive instructions are given in the corresponding Material Safety Data Sheets. These are available on request from WACKER sales offices or may be downloaded from the Landdu Web site <https://landu-china.com/en/products/accurate-redispersible-polymer-powder/>.