VINNAPAS® 7031 H

Dispersible Polymer Powders

VINNAPAS® 7031 H is a hydrophobic dispersible polymer powder for dry mix mortars, specifically suited for tile grouts, renders and plasters, wall and joint fillers. It is based on a flexible terpolymer of vinyl acetate, ethylene and vinyl ester. VINNAPAS® 7031 H belongs to the product class VINNAPAS® H which means that it provides a remarkable hydrophobic effect in addition to the basic properties workability and adhesion.

Properties

- VINNAPAS® 7031 H is a terpolymer powder of vinyl acetate, vinyl ester and ethylene and is dispersible in water.
- Compounds modified with VINNAPAS® 7031 H exhibit improved adhesion, flexural strength, deformability, abrasion resistance and are easier to process.
- Leveling, thixotropy and water retention are essentially unaffected. It additionally acts as a strong hydrophobizing agent, but will not have any appreciable effect on water-vapor transmission in normal usage concentrations.
- As a result of the resin's special composition, compounds modified with it provide strong and lasting bulk water repellency on alkaline building materials and significantly reduced water absorption.
- VINNAPAS® 7031 H contains a fine mineral filler as an antiblocking agent. It is produced without the use of organic solvents, plasticizers and film-forming agents.
- VINNAPAS® 7031 H is a hydrophobizing dispersible polymer powder in the lower Tg range. It has no effect on rheology and has excellent general-purpose properties and is especially suitable for mortars with low emissions.

Specific features

- Hydrophobic

Technical data

Specific Table

Property	Condition	Value	Method
Appearance	-	White to light beige powder	specific method
Minimum film forming temperature	-	0 °C	DIN ISO 2115
Protective colloid / emulsifier system	-	polyvinyl alcohol	-

Specific Table Footer

Specification

Property	Condition	Value	Method
Bulk density	-	400 - 550 kg/m^3	DIN EN ISO 60
Ash content	1000 °C	max. 11.5 %	specific method
Particle size	> 400 µm	max. 4 %	DIN EN ISO 4610
Solids content	-	min. 98 %	DIN EN ISO 3251

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Applications

- Tile Grouts
- Wall and Joint Fillers
- One Component Cementitious Waterproofing Membrane
- Concrete Repair
- Mineral Renders & Plasters

Application details

For typical application fields of VINNAPAS® 7031 H, refer to the section "application". Please discuss additional applications with your WACKER customer representative.

Processing

For the production of ready-mixed dry mortars, such as adhesives and patching compounds, blend VINNAPAS® 7031 H with the other dry ingredients in appropriate equipment. Temperatures should not be allowed to rise excessively during mixing because otherwise the dispersible polymer powder could agglomerate by virtue of its thermoplastic properties. The mortar is prepared for use by adding the recommended amount of water and mixing mechanically or by hand. Since hand mixing generates little shear force, we recommend allowing the fresh mortar to slake for 5 minutes and then stirring it again. This is usually unnecessary where mechanical mixers are employed.

Additional information

If the product is used in applications other than those mentioned, the choice, processing and use of it is the sole responsibility of the purchaser. All legal and other regulations must be complied with.
Slight color variations of the dispersible polymer powder may occure without impairing the product's functionality.

Packaging and storage

Packaging

25 kg paper bags Big Bags or bulk on request.

Storage

During storage, protect VINNAPAS® 7031 H from contact with moisture. Prolonged storage at temperatures above 30 °C, especially in combination with pressure, humidity or exposure to sunlight, may result in blocking. Carefully seal any open containers and store them under suitable conditions. We recommend storing VINNAPAS® 7031 H in a warehouse that provides cool and dry conditions. Do not store VINNAPAS® 7031 H for more than six months, starting from the date at which it was received. Longer periods of maximum storage may be described in the Certificate of Analysis and would take precedence over the above six-month maximum. If the product is stored longer, 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 WACKER Web site www.wacker.com/vinnapas.

QR Code VINNAPAS® 7031 H

For technical, quality or product safety questions, please contact:

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