VINNAPAS® 7016 F

Dispersible Polymer Powders

VINNAPAS® 7016 F is a superplasticizing dispersible polymer powder for dry mix mortars, specifically suited for self-leveling flooring compounds and screeds. It is based on a hard terpolymer of vinylacetate, ethylene and methyl methacrylate and belongs to the product class VINNAPAS® F which means that it improves the flow, leveling and surface properties. Cured mortars with VINNAPAS® 7016 F have improved adhesion, flexural strength, deformability and abrasion resistance.

Properties

- VINNAPAS® 7016 F is a copolymer powder of vinyl ester, ethylene and acrylate. It is dispersible in water and is also a highly effective superplasticizer with rheological properties similar to those of casein.
- VINNAPAS® 7016 F shows an instant superplasticizing effect and very good self-healing properties in the modified fresh mortar.
- VINNAPAS® 7016 F is ideal for formulating cementitious and gypsum-based flooring systems (e.g. self-leveling flooring compounds). Thereby the rheology of VINNAPAS® 7016 F is especially advantageous for the manual application.
- VINNAPAS® 7016 F contains a fine mineral filler as an antiblocking agent and is produced without the addition of organic solvents, plasticizers and film-forming agents.
- VINNAPAS® 7016 F is a high-quality hard polymeric binder and is also a highly effective superplasticizer with casein-like rheology. There is no need to add any commercial superplasticizer when 2-3 % VINNAPAS® 7016 F is added to a blend.
- Furthermore it allows self-leveling flooring compounds to be formulated with a low content of volatile organic compounds (VOC). The product thus can be used to produce self-leveling flooring compounds conforming to strict eco-labeling requirements.

Specific features

- Defoaming
- Plasticizing effect

Technical data

Specification

Property	Condition	Value	Method
Bulk density	-	475 - 625 kg/m^3	DIN EN ISO 60
Ash content	1000 °C	max. 10.5 %	specific method
Particle size	> 400 µm	max. 4 %	DIN EN ISO 4610
Solids content	-	min. 98 %	DIN EN ISO 3251

General Characteristics

Property	Condition	Value	Method
Appearance	-	White to light beige powder	Visual
Minimum film forming temperature	-	7 °C	DIN ISO 2115
Protective colloid / emulsifier system	-	polyvinyl alcohol	-

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

All the information provided is in accordance with the present state of our knowledge. Nonetheless, we disclaim any warranty or liability whatsoever and reserve the right, at any time, to effect technical alterations. The information provided, as well as the product's fitness for an intended application, should be checked by the buyer in preliminary trials. Contractual terms and conditions always take precedence. This disclaimer of warranty and liability also applies particularly in foreign countries with respect to third parties' rights.

Applications

- Self-Leveling Compounds

Application details

For typical application fields of VINNAPAS® 7016 F, 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® 7016 F 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® 7016 F from contact with moisture. Prolonged storage at temperatures above 30 °C, including in combination with pressure load, humidity or exposure to sunlight, may result in blocking. Carefully seal any open containers and store them in suitable conditions. We recommend storing VINNAPAS® 7016 F in a warehouse that provides cool and dry conditions. Do not store VINNAPAS® 7016 F 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® 7016 F

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

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