

VINNACEL[®] 300



Dispersible Polymer Powders

VINNACEL[®] 300 is a multi-purpose dispersible polymer powder for dry mix mortars, specifically suited for ETICS/EIFS, tile adhesives and skim coats.

It is based on a hard copolymer of vinylacetate and ethylene which means that it has a neutral effect on rheology and provides the basic properties adhesion and workability, giving a high degree of formulation freedom. VINNACEL[®] 300 is part of customized range, offering you the best-in-class solution for a wide variety of applications.

Properties

- VINNACEL[®] 300 is dispersible in water. The product contains a fine mineral filler as an antiblocking agent. It is produced without the addition of organic solvents, plasticizers and film forming agents.
- Mortars modified with VINNACEL[®] 300 exhibit improved tensile adhesion strength, adhesion bond strength, flexural strength, anti-abrasion performance and workability.
- VINNACEL[®] 300 has no effect on rheological properties and is a general-purpose polymer powder.
- VINNACEL[®] 300 is suited to prepare mortars with high cohesion and tensile adhesion strength and provides good bond strength to both, inorganic and organic substrates.

Technical data

Specification

Property	Condition	Value	Method
Bulk density	-	500 - 700 kg/m ³	DIN EN ISO 60
Ash content	1000 °C	max. 15 %	specific method
Particle size	> 400 µm	max. 4 %	DIN EN ISO 4610
Solids content	-	min. 95.5 %	DIN EN ISO 3251

General Characteristics

Property	Condition	Value	Method
Appearance	-	white to light beige powder	Visual
Minimum film forming temperature	-	0 °C	specific method
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

- External Thermal Insulation Composite Systems (ETICS/EIFS)
- Cementitious Tile Adhesives

Application details

VINNACEL® 300 is recommended for basic dry mix mortar applications. Please discuss more details with your WACKER customer representative.

Processing

For the production of ready-mixed dry mortars, blend VINNACEL® 300 with the other dry ingredients in appropriate equipment. During mixing temperatures should not be allowed to rise excessively because otherwise the product 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 occur without impairing the product's functionality.

Packaging and storage

Packaging

25 kg paper bags Big Bags

Storage

During storage, protect VINNACEL® 300 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 VINNACEL® 300 in a warehouse that provides cool and dry conditions. Do not store VINNACEL® 300 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 appropriate Material Safety Data Sheets. These are available on request from WACKER sales offices.

QR Code VINNACEL® 300



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

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