

VINNACEL[®] 101

Dispersible Polymer Powders

VINNACEL[®] 101 is a polymeric modifier which can be used solely with mineral fillers and cement to achieve mortars with high strength and good workability (e.g. tile adhesives, skim coats). The product is in the process of introduction into industrial use (Scale-up Product). Therefore the product data given are subject to change. Always consult WACKER POLYMERS about the product's availability before using it for industrial purposes.

Properties

- VINNACEL[®] 101 is a polymeric modifier and is dispersible in water.
- The product contains 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[®] 101 exhibit improved early tensile adhesion strength and high adhesion bond strength after standard storage conditions.
- The addition of VINNACEL[®] 101 improves the workability and the handling properties of the mortar. The product is ideal for use directly in combination with mineral filler and cement.
- VINNACEL[®] 101 simplifies the production process and logistics of dry-mix mortar manufacturing.
- VINNACEL[®] 101 replaces several different additives and components in dry-mix mortars. Simply VINNACEL[®] 101 in combination with mineral filler and cement is needed.
- VINNACEL[®] 101 is suited to prepare mortars with high cohesion and tensile adhesion strength and provides good bond strength to both, inorganic and organic substrates.
- In addition mortars containing VINNACEL[®] 101 show prolonged open time and easier workability.
- Furthermore VINNACEL[®] 101 helps to optimize the inorganic binder content of mortars.

Technical data

Specification

Property	Condition	Value	Method
Bulk density	-	450 - 650 kg/m ³	DIN EN ISO 60
Ash content	1000 °C	max. 16 %	specific method
Particle size	> 400 µm	max. 4 %	DIN EN ISO 4610
Solids content	-	min. 97 %	DIN EN ISO 3251

General Characteristics

Property	Condition	Value	Method
Appearance	-	white to light beige powder	Visual
Minimum film forming temperature	-	12 °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.

Application details

VINNACEL[®] 101 is highly recommended for basic tile adhesive applications which require good workability and high strength. Also it is recommended to be used in basic interior skim coat applications.

Processing

For the production of ready-mixed dry mortars, e.g. tile adhesives, blend VINNACEL[®] 101 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.

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 polymer granulate may occur without impairing the product's functionality.

Packaging and storage

Packaging

25 kg paper bags

Storage

During storage, protect the product 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 the product in a warehouse that provides cool and dry conditions. Do not store the product for more than six months, starting from the date at which it was received, unless the Certificate of Analysis contains a different date, which would take precedence. 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 WACKER Web site www.wacker.com/vinnapas.

QR Code VINNACEL® 101



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

Wacker Chemie AG, Hanns-Seidel-Platz 4, 81737 Munich, Germany
info@wacker.com, www.wacker.com

The data presented in this medium are in accordance with the present state of our knowledge but do not absolve the user from carefully checking all supplies immediately on receipt. We reserve the right to alter product constants within the scope of technical progress or new developments. The recommendations made in this medium should be checked by preliminary trials because of conditions during processing over which we have no control, especially where other companies' raw materials are also being used. The information provided by us does not absolve the user from the obligation of investigating the possibility of infringement of third parties' rights and, if necessary, clarifying the position. Recommendations for use do not constitute a warranty, either express or implied, of the fitness or suitability of the product for a particular purpose.