

# VINNAPAS® 4016 N



## Dispersible Polymer Powders

VINNAPAS® 4016 N is a hard dispersible polymer powder based on vinyl acetate and ethylene for very good tensile adhesion strength on inorganic surfaces combined with good workability. VINNAPAS® 4016 N was developed for those applications where lower water demand and increased smoothness under the trowel are important.

## Properties

- VINNAPAS® 4016 N is a copolymer powder of vinyl acetate and ethylene and is dispersible in water.
- Compounds modified with VINNAPAS® 4016 N exhibit improved adhesion, flexural strength, deformability, abrasion resistance and easier handling. Leveling, thixotropy and water retention are essentially unaffected.
- The product is ideal for use in combination with other mortar additives intended to enhance specific properties.
- VINNAPAS® 4016 N contains a fine mineral filler as an anti-blocking agent.
- It is produced without the addition of organic solvents, plasticizers and film-forming agents.
- VINNAPAS® 4016 N is a hard general-purpose powder and has no effect on rheological properties. It is eminently suitable for formulating compounds of high ultimate strength.

## Technical data

### Specification

Property	Condition	Value	Method
Bulk density	-	450 - 600 kg/m <sup>3</sup>	DIN EN ISO 60
Ash Content	1000 °C	max. 13 %	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	-	4 °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.

Store in a dry and cool place.

Protect against moisture.

Comprehensive instructions are given in the corresponding Material Safety Data Sheets. They are available on request from WACKER subsidiaries or may be downloaded via WACKER web site <http://www.wacker.com>.

Big Bags or bulk on request.

## Applications

- Concrete Repair
- One-Component Cementitious Tile Adhesives

## Application details

For the production of ready-mixed dry mortars, such as adhesives and patching compounds, blend VINNAPAS® 4016 N 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.

For typical application fields of VINNAPAS® 4016 N, refer to the "Application" section. Please discuss additional applications with your WACKER customer representative.

## Packaging and storage

### Packaging

25 kg paper bags Big Bags or bulk on request.

### 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](http://www.wacker.com/vinnapas).

## QR Code VINNAPAS® 4016 N



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

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