# VINNAPAS® 5010 N (USA)

VINNAPAS®

## Dispersible Polymer Powders

VINNAPAS® 5010 N (USA) is a multi-purpose dispersible polymer powder for dry mix mortars, specifically suited for tile adhesives, renders, plasters and Skim Coats. It is based on a hard copolymer of vinylacetate and ethylene and belongs to the product class VINNAPAS® N which means that it has a neutral effect on rheology and provides the basic properties adhesion and flexibility, giving a high degree of formulation freedom. VINNAPAS® 5010 N (USA) is part of our standard range, offering you the best-in-class solution for a wide variety of applications.

## Properties

- VINNAPAS® 5010 N (USA) is a copolymer powder of vinyl acetate and ethylene and is dispersible in water.
- Compounds modified with VINNAPAS® 5010 N (USA) exhibit improved adhesion, flexural strength, deformability, abrasion resistance and are easier to process. 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® 5010 N (USA) contains a fine mineral filler as an antiblocking agent. It is produced without the addition of organic solvents, plasticizers and film-forming agents.
- VINNAPAS® 5010 N (USA) is a hard general-purpose powder and has no effect on rheological properties. It is eminently suitable for formulating compounds of high ultimate strength and low emissions.

# Technical data

## Specification

| Property | Condition | Value | Method |
|---|---|---|---|
| Bulk density | - | 490 - 590 kg/m$^3$ | 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

- Tile Grouts
- Wall and Joint Fillers
- Mineral Renders & Plasters
- Cementitious Tile Adhesives

## Application details

For typical application fields of VINNAPAS® 5010 N (USA), refer to the "Application" section. 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® 5010 N (USA) 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, protectVINNAPAS® 5010 N (USA) 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® 5010 N (USA) in a warehouse that provides cool and dry conditions. Do not store VINNAPAS® 5010 N (USA) 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® 5010 N (USA)

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

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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.