

# VINNAPAS<sup>®</sup> 5537 T



## Dispersible Polymer Powders

VINNAPAS<sup>®</sup> 5537 T is a dispersible polymer powder for dry mix mortars, specifically suited for thixotropic tile adhesives and ETICS. It is based on a flexible copolymer of vinyl acetate and ethylene.

VINNAPAS<sup>®</sup> 5537 T belongs to the product class VINNAPAS<sup>®</sup> T which means that it provides thixotropic characteristics. Besides good non-slump properties and workability it offers good tensile adhesion strength after water immersion.

The product is currently in the process of introduction into industrial use (scale-up product). The quoted product data are therefore subject to change. Before industrial use, the availability should be clarified with WACKER POLYMERS.

## Properties

- VINNAPAS<sup>®</sup> 5537 T is a copolymer powder of vinyl acetate and ethylene and is dispersible in water.
- Mortars modified with VINNAPAS<sup>®</sup> 5537 T exhibit improved adhesion, flexural strength, deformability and abrasion resistance and are easier to process.
- VINNAPAS<sup>®</sup> 5537 T contains a fine mineral filler as an antiblocking agent.
- The product is produced without the use of plasticizers and film-forming agents.
- VINNAPAS<sup>®</sup> 5537 T is a non-slump polymer powder in the medium Tg range.
- Cementitious and gypsum-bound formulations that have been modified with VINNAPAS<sup>®</sup> 5537 T display improved non-slump characteristics and thus better processing characteristics.

## Technical data

### Specification

Property	Condition	Value	Method
Bulk density	-	420 - 570 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	-	approx. 4 °C	DIN ISO 2115
Protective colloid / emulsifier system	-	Polyvinyl alcohol, high molecular compounds	-

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

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

## Application details

For typical application fields of VINNAPAS® 5537 T, 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® 5537 T 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.

## 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 appropriate Material Safety Data Sheets. These are available on request from WACKER sales offices.

## QR Code VINNAPAS® 5537 T



### 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.