VINNAPAS® 4021 T

VINNAPAS®

Dispersible Polymer Powders

VINNAPAS® 4021 T is a copolymer powder of vinyl acetate and ethylene and is dispersible in water.

Properties

- Compounds modified with VINNAPAS® 4021 T exhibit improved adhesion, flexural strength, deformability and abrasion resistance and are easier to process.
- Combinations with cement and gypsum can provide mortars which exhibit non-sag properties.
- VINNAPAS® 4021 T contains a fine mineral filler as an antiblocking agent. It is produced without the use of organic solvents, plasticizers and film-forming agents.
- VINNAPAS® 4021 T is a non-slump dispersible polymer powder in the medium Tg range. It is suitable for formulating compounds that must exhibit good non-slump properties.

Technical data

Specification

Property	Condition	Value	Method
Ash Content	1000 °C	max. 11.2 %	specific method
Solids content	-	min. 98 %	DIN EN ISO 3251
Bulk density	-	400 - 500 kg/m^3	DIN EN ISO 60
Particle size	> 400 µm	max. 4 %	DIN EN ISO 4610

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, high molecular compounds	-

These figures are only intended as a guide and should not be used in preparing specifications.

Application details

For the production of ready-mixed dry mortars, such as adhesives and patching compounds, blend VINNAPAS® 4021 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.

For typical application fields of VINNAPAS® 4021 T, 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

Detailed safety information is contained in each Material Safety Data Sheet, which can be obtained from our sales offices.

QR Code VINNAPAS® 4021 T

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

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