

VINNAPAS® 5541 C



Dispersible Polymer Powders

VINNAPAS® 5541 C is a vinyl acetate / ethylene copolymer powder and is dispersible in water. Because of its relatively high ethylene content, this resin is soft and flexible. Its glass transition temperature is below the freezing point of water.

Properties

- Compounds modified with VINNAPAS® 5541 C exhibit improved adhesion, flexural strength, deformability and abrasion resistance.
- They also exhibit thixotropy.
- Compounds modified with VINNAPAS® 5541 C are very easy to handle.
- VINNAPAS® 5541 C contains a fine mineral filler as an antiblocking agent.
- It is produced without the use of organic solvents, plasticizers and film-forming agents.
- VINNAPAS® 5541 C is a non-slump dispersible powder in the lower Tg range. It is eminently suitable for formulating highly flexible compounds with very good adhesion to organic substrates (polystyrene), good water repellency and low emissions.

Technical data

Specification

Property	Condition	Value	Method
Bulk density	-	400 - 600 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	-	0 °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.

Application details

Typical applications for VINNAPAS® 5541 C:

include blending with inorganic binders, such as cement, anhydrite, gypsum plaster and hydrated lime for the manufacture of adhesives and basecoats for thermal insulation and finish systems, skim-coating compounds, plasters, tile adhesives, structural adhesives, and repair mortars.

Processing

For the production of ready-mixed dry mortars, such as adhesives and patching compounds, blend VINNAPAS® 5541 C 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 polymer granulate may occur without impairing the product's functionality.

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® 5541 C



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

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