

VINNAPAS® 5020 L

Product description

VINNAPAS® 5020 L is a copolymer powder of vinyl acetate and ethylene. It is dispersible in water and has good saponification resistance.

Properties

Compounds modified with VINNAPAS® 5020 L exhibit improved adhesion, flexural strength in bending, deformability and abrasion resistance and are easier to process. VINNAPAS® 5020 L can be combined to improve casein or synthetic plasticizing admixtures to produce self-leveling flooring compounds and screeds. VINNAPAS® 5020 L produces very smooth surfaces that are free of surface voids.

VINNAPAS® 5020 L contains a fine mineral filler as an antiblocking agent. It is free of solvents, plasticizers and film-forming agents.

Special Features

VINNAPAS® 5020 L is a dispersible polymer powder in the medium Tg range, greatly enhances leveling, and generates very little emissions.

Application

Typical applications for VINNAPAS® 5020 L: not only for blending with inorganic binders, such as cement, anhydrite, gypsum plaster and hydrated lime for the manufacture of self-leveling flooring compounds, wall troweling compounds, structural adhesives and repair mortars, but also as the exclusive binder for synthetic-resin-bound systems.

Application	Recommendation	Suitability
Self-leveling compounds	Cement based	●●●
	Gypsum based	●●●
Tile grout mortars	Indoor	●
	Outdoor	●
Gypsum application	Self-leveling compounds	●
	Leveling compounds	●
	Jointfiller	●
Sealing slurries	Rigid systems	●
Concrete-repair mortars	PCC	●
Tile adhesives	Thin bed mortars	●

● suitable ●● recommended ●●● highly recommended

Processing

For the production of ready-mixed powders, such as dry mortars, adhesives and troweling compounds, blend VINNAPAS® 5020 L 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 and lead to the formation of small lumps of resin.

The mortar or troweling compound is prepared for use by adding the recommended amount of water and mixing by hand or machine. 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.

Storage

VINNAPAS® 5020 L should be stored in a cool place and protected against moisture. Since the product is thermoplastic, it should not be subjected to pressure or high temperatures during storage because of the risk of caking. Storage time should not exceed 6 months from receipt of delivery.

Blends with hydraulic binders, fillers and pigments show better storage stability because these components help to prevent caking. However, blends of this type still have to be protected against moisture

Packaging

25 kg paper bags.
Big Bags (sizes on request).
Bulk on request.

Additional information

If VINNAPAS® 5020 L is used in applications other than those mentioned, the choice, processing and use

of VINNAPAS® 5020 L is the sole responsibility of the purchaser. All legal and other regulations must be complied with.

Safety notes

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

Product data

Specification data	Inspection Method	Value
Solids content	DIN EN ISO 3251	98 - 100 %
Ash Content	WACKER method	9 - 13 %
Bulk density	DIN EN ISO 60	440 - 540 kg/m³
Typical general characteristics	Inspection Method	Value
Appearance	Visual	white powder
Protective colloid / emulsifier system	WACKER method	Polyvinyl alcohol
Particle size	DIN EN ISO 4610	Max. 2 % over 400 µm
Predominant particle size	WACKER method	0,5 - 8 µm
Minimum film forming temperature	DIN ISO 2115	4 °C
Film properties of the redispersion	WACKER method	cloudy, tough-elastic

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

The data presented in this leaflet 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 leaflet 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 recommendations do 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 products for a particular purpose.

The management system has been certified according to DIN EN ISO 9001 and DIN EN ISO 14001

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