

# VINNAPAS® 5010 N (GER)

## Product description

VINNAPAS® 5010 N (GER) is the proven standard for a wide range of usage.

## Properties

VINNAPAS® 5010 N (GER) is a copolymer powder of vinyl acetate and ethylene. It is dispersible in water and has good saponification resistance. Compounds modified with VINNAPAS® 5010 N (GER) exhibit improved adhesion, flexural strength in bending, 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 (GER) contains a fine mineral filler as an antiblocking agent. It is free of solvents, plasticizers and film-forming agents.

## Special features

VINNAPAS® 5010 N (GER) has no effect on rheological properties and is a low-emissions, general-purpose powder in the medium Tg range. It is eminently suitable for formulating compounds of high ultimate strength.

## Application

For typical application fields of VINNAPAS® 5010 N (GER) you can refer to the following application table. VINNAPAS® 5010 N (GER) can be also used for soil stabilization. A technical data sheet can be ordered from your customer service manager. Please discuss additional applications with your WACKER customer representative.

Application	Recommendation	Suitability
Tile adhesives EN 12004/12002 C1/C2	Thin-bed mortars	●
	Thin-bed mortars, flexible	○
	Flow-bed mortars	●
Tile grout mortars	Indoor	●
	Outdoor	●
Self-leveling compounds	Cement based	●
	Gypsum based	●
Renders/Plasters	Basic renders/plasters	●
	Finishing renders/plasters	●
	Gypsum plasters	●
Skim Coats	Indoor	●
	Outdoor	●
Floor/Wall troweling compounds	Fine leveling compounds	●
	Coarse leveling compounds	●
Gypsum application	Self-leveling compounds	●
	Leveling compounds	●
	Joint fillers	●
● highly recommended ○ recommended		

## Processing

For the production of ready-mixed powders, such as dry mortars, adhesives and troweling compounds, blend VINNAPAS® 5010 N (GER) 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® 5010 N (GER) 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® 5010 N (GER) is used in applications other than those mentioned, the choice, processing and use of VINNAPAS® 5010 N (GER) is the sole

responsibility of the purchaser. All legal and other regulations must be complied with.

Slight discoloration may occur without impairing the product's functionality.

**Safety notes**

Comprehensive instructions are given in the corresponding Material Safety Data Sheets. They are available on request from WACKER sales offices or may be printed via WACKER web site [www.wacker.com/vinnapas](http://www.wacker.com/vinnapas).

<b>Product data</b>		
<b>Specification data</b>	<b>Inspection Method</b>	<b>Value</b>
Solids content	DIN EN ISO 3251	98 - 100 %
Ash Content	specific method	9 - 13 %
Bulk density	DIN EN ISO 60	490 - 590 kg/m <sup>3</sup>
<b>Typical general characteristics</b>	<b>Inspection Method</b>	<b>Value</b>
Appearance	Visual	white to pale yellow powder
Protective colloid / emulsifier system	specific method	polyvinyl alcohol
Particle size	DIN EN ISO 4610	Max. 4 % over 400 µm
Predominant particle size redispersion	specific method	0,5 - 8 µm
Minimum film forming temperature	DIN ISO 2115	4 °C
Film properties of the redispersion	specific method	cloudy, tough-elastic

These figures are only 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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For technical, quality, or product safety questions, please contact:

Wacker Chemie AG  
Hanns-Seidel-Platz 4  
81737 München, Germany  
[info.polymers@wacker.com](mailto:info.polymers@wacker.com)

[www.wacker.com](http://www.wacker.com)