

VINNAPAS® 523 ND

Product description

VINNAPAS® 523 ND is a dispersion with a high cohesive force and versatility.

Properties

VINNAPAS® 523 ND is a plasticizer-free dispersion based on vinyl acetate and ethylen.

Application

VINNAPAS® 523 ND can be used for a high variety of renders/plasters. Renders/plasters based on synthetic dispersions or based on silicone resins can be formulated. Because those renders/plasters can be formulated without an addition of additional solvents, film forming agents and plasticizers, they are highly suitable for indoor applications.

For typical application fields of VINNAPAS® 523 ND you can refer to the following application table. Please discuss additional applications with your WACKER customer representative.

Application	Recommendation	Suitability
Exterior Thermal Insulation Composite Systems	Top coats (Ready-to-use)	●
Renders/plasters	Synthetic resin bound renders/plasters	○
	Silicone resin renders/plasters	●
	Interior application plasters	●
● highly recommended ○ recommended		

Storage

When the dispersion is stored in tanks, proper storage conditions must be maintained. VINNAPAS® 523 ND has a shelf life of 6 months starting from the date of receipt if stored under cool (below 25 °C) but frost-free conditions in the original, unopened containers. Iron or galvanized iron containers and equipment are not recommended, because the dispersion is slightly acidic. Corrosion could result in discoloration of the dispersion or blends made from it in further processing. We therefore recommend the use of

containers and equipment made of ceramic, rubberized or enameled materials, appropriately finished stainless steel, or plastic (rigid PVC, polyethylene or polyester resin).

Preservation for transport, storage and further processing

VINNAPAS® 523 ND is adequately preserved during transportation and storage if kept in the original, unopened containers. When stored in tanks, the dispersion should be modified with a preservative to prevent microbial contamination. Suitable measures should be taken to ensure that the tanks are properly clean. In storage tanks in which the product is not stirred, it is advisable to cover the surface of the dispersion with 1 - 2 cm of water, to which a preservative has been added. This will prevent skin formation and microbial contamination. In the case of storage in silos, it is important that the air drawn into the silo when the product is discharged is also kept free of germs. As a rule, all finished products manufactured from polymer dispersions also require preservation. The type and extent of preservation will depend on the raw materials used and the anticipated sources of contamination. The compatibility and effectiveness of the preservatives should be checked for a given formulation. Preservative manufacturers will be able to advise you on the type and amount of conservation agent to use.

Packaging

150 kg non-returnable polyethylene drums (standard quantity complete paletts of 750 kg), 1 t non-returnable containers and road tanker.

Additional information

If VINNAPAS® 523 ND is used in applications other than those mentioned, the choice, processing and use of VINNAPAS® 523 ND 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	EN ISO 3251	59 - 61 wt. %
Viscosity, dynamic at 23 °C	DIN EN ISO 2555	3000 - 6000 mPa.s
pH-Value	DIN/ISO 976	4,0 - 6,0 (520 g/l H ₂ O)

Typical general characteristics	Inspection Method	Value
Minimum film forming temperature	DIN ISO 2115	approx. 4 °C
Predominant particle size	specific method	approx. 300 nm
Protective colloid / emulsifier system	specific method	surfactants
Compatibility with cement	specific method	compatible
Appearance of the dispersion film	Visual	clear
Glass transition temperature	specific method	approx. 9 °C

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

www.wacker.com