

VINNAPAS® 240 HD



Polymer Dispersions

VINNAPAS® 240 HD is a multi-purpose construction dispersion for liquid and paste, cement-free binder technology, specifically suited for primers, ready-to-use tile adhesives and one-component dispersion-based water-proofing membranes. It is based on a flexible copolymer of styrene and acrylate and belongs to the product class VINNAPAS® HD which means that it provides a remarkable hydrophobic effect in addition to the excellent adhesion even under wet conditions.

Properties

- VINNAPAS® 240 HD is a fine-particle 50% dispersion of a styrene/acrylic acid ester copolymer in water.
- Films based on VINNAPAS® 240 HD possess high water resistance and excellent adhesion even in wet conditions.
- VINNAPAS® 240 HD is also produced without the use of film-forming agents.

Technical data

Specification

Property	Condition	Value	Method
Solids content	-	49 - 51 %	DIN EN ISO 3251
pH	-	7.0 - 8.0	DIN/ISO 976
Viscosity, dynamic	23 °C Brookfield, spindle 3 / 20 rpm	700 - 3000 mPa·s	DIN EN ISO 2555

General Characteristics

Property	Condition	Value	Method
Glass transition temperature	-	approx. 0 °C	specific method
Appearance of the dispersion film	-	clear, glossy	Visual
Protective colloid / emulsifier system	-	surfactants	-
Minimum film forming temperature	-	approx. 0 °C	DIN ISO 2115
Cement compatibility	-	incompatible	specific method
Predominant particle size	-	approx. 100 nm	specific method

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.

Applications

- Primer
- One Component Ready-to-use Waterproofing Membrane
- Ready-to-Use Tile Adhesives
- Adhesive and Embedding Mortars

Application details

VINNAPAS® 240 HD is highly compatible with standard pigments and fillers. When using the dispersion in the preparation of filled, pasty compounds, it is advisable to raise its pH to a value > 7.5 prior to the addition of fillers. Since VINNAPAS® 240 HD contains no free ammonia, ammonia-free compounds can be prepared by adding KOH or 1)AMP-95®. Because of the low minimum film forming and glass transition temperature an addition of organic solvents or plasticizers is not necessary. VINNAPAS® 240 HD is ideal for use in pasty construction and tile adhesives whose high adhesive strength is not affected by water or dampness. VINNAPAS® 240 HD can be used to produce construction adhesives and primers conforming to strict eco-labeling requirements. For typical application fields of VINNAPAS® 240 HD, refer to the following application table. Please discuss additional applications with your WACKER customer representative.

Packaging and storage

Packaging

Non-returnable PE drums of 150 kg capacity (standard dispatch quantity: only fully-loaded pallets à 750 kg), non-returnable containers of 1 t capacity and road tankers.

Storage

When the dispersion is stored in tanks, proper storage conditions must be maintained. VINNAPAS® 240 HD has a shelf life of 6 months starting from the date of receipt if stored in the original, unopened containers at temperatures between 5 and 30 °C. Iron or galvanized iron containers and equipment are not recommended. 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). As polymer dispersions may tend to superficial film formation, skins or lumps may be formed during storage or transportation. A filtration process is thus recommended prior to utilization of the product. Preservation for transport<(>,<)> storage and further processing VINNAPAS® 240 HD 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.

Safety notes

Comprehensive instructions are given in the corresponding Material Safety Data Sheets. These are available on request from WACKER sales offices or may be downloaded from the WACKER Web site www.wacker.com/vinnapas.

QR Code VINNAPAS® 240 HD



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

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