

VINNAPAS[®] SAF 72

Polymer Dispersions

VINNAPAS[®] SAF 72 is a fine-particle dispersion of a special styrene/acrylate copolymer.

VINNAPAS[®] SAF 72 is manufactured without alkyl phenol ethoxylate (APEO) containing compounds.

Properties

- Excellent pigment binding properties
- Great adhesion to inorganic substrates
- Very good water resistance
- Excellent alkali resistance

Technical data

Specification

Property	Condition	Value	Method
Content Solids	-	49 - 51 %	DIN EN ISO 3251
pH	-	7.5 - 8.3	DIN/ISO 976
Viscosity, dynamic	23 °C Brookfield, spindle 4 / 20 rpm	1500 - 3500 mPa·s	DIN EN ISO 2555

General Characteristics

Property	Condition	Value	Method
Surface of the dispersion film	-	tack free	specific method
Appearance of the dispersion film	-	clear, glossy	Visual
Protective colloid / emulsifier system	-	ionic and nonionic surfactants	-
Predominant particle size	-	approx. 120 nm	specific method
Frost resistance	-	protect from freezing	-
Minimum film forming temperature	-	approx. 23 °C	DIN ISO 2115
Density	-	approx. 1.03 g/cm ³	DIN EN ISO 2811-1

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

- Silicone Resins & Silicate Paints
- Exterior Paints

Application details

VINNAPAS® SAF 72 has an excellent pigment-binding capacity and very good adhesion to inorganic substrates. VINNAPAS® SAF 72 is a high performance binder for interior and exterior paints, dispersion modified silicate paints and plasters, silicone paints and plasters, synthetic resin bound plasters and roof coatings. Additionally, VINNAPAS® SAF 72 is an ideal binder for manufacturing construction and tile adhesive paste with extremely good wet adhesion properties. Films produced from this dispersion have an excellent resistance to water and alkalis, with only slight water absorption and greatly delayed whitening. Paints and plasters based on this dispersion therefore show very little tendency to soften under prolonged immersion in water. If VINNAPAS® SAF 72 is to be used in dispersion silicate paints, the compatibility with the corresponding water glass should always be checked.

Processing

Since VINNAPAS® SAF 72 only forms a film at temperatures over approx. 23°C, it must, in practice, be combined with a film-forming agent. Depending on its type, a dosage between 3 – 10 % of film-forming agent on VINNAPAS® SAF 72 is recommended.

Additional information

If the product is used in applications other than those mentioned, the choice, processing and use of the product is the sole responsibility of the purchaser. All legal and other regulations must be complied with.

For questions concerning food contact status according to the chapter 21 CFR (US FDA) and German BfR, please feel free to contact us.

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Packaging and storage

Storage

When the dispersion is stored in tanks, proper storage conditions must be maintained. VINNAPAS® SAF 72 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® SAF 72 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® SAF 72



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

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