

VINNAPAS® 760 ED



Polymer Dispersions

VINNAPAS® 760 ED is a construction dispersion for two-component dry mix mortars, specifically suited for cement admixtures and two-component cementitious water-proofing membranes. VINNAPAS® 760 ED belongs to the product class VINNAPAS® ED. It is based on a highly flexible terpolymer of vinyl acetate, ethylene and vinyl ester and which means that it enhances adhesion and flexibility of mortars.

Properties

- VINNAPAS® 760 ED is a medium particle size, high solids content (59% ± 1%) vinyl acetate - ethylene - vinyl ester dispersion stabilized with surfactants.
- VINNAPAS® 760 ED is a modifying resin which can be used in hydraulically setting compounds to introduce flexibility and adhesion.
- Thus, flexible adhesives and water proofing membranes are the selected applications; it can also be used as the sole binder in (crack-bridging) coatings and adhesives.
- VINNAPAS® 760 ED combines high solids content with excellent flexibility and excellent compatibility with inorganic binders as ordinary Portland cement and high alumina cement; due to its high solids content VINNAPAS® 760 ED allows a broad range of polymer to cement ratios in hydraulic setting compounds.

Technical data

Specification

Property	Condition	Value	Method
Solids content	-	58 - 60 %	EN ISO 3251
Viscosity, dynamic	23 °C Brookfield, spindle 2 / 20 rpm	100 - 800 mPa·s	DIN EN ISO 2555
pH	-	4.0 - 6.0	DIN/ISO 976

General Characteristics

Property	Condition	Value	Method
Minimum film forming temperature	-	approx. 0 °C	DIN ISO 2115
Protective colloid / emulsifier system	-	surfactants	-
Glass transition temperature	-	approx. -12 °C	specific method
Predominant particle size	-	approx. 300 nm	specific method
compatibility with cement	-	very good	Visual

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.

Application details

Application:

VINNAPAS® 760 ED is highly elastic and resistant to weathering even at low temperatures. It provides excellent anchorage on organic and inorganic substrates. The dispersion is therefore ideal for applications which require flexibility and good adhesion. Its excellent compatibility with cement makes VINNAPAS® 760 ED ideal for the modification of cementitious products. The dispersion can be used either as premix – containing e.g. stabilizer, antifoam agent and fillers – to which cement is added at the construction site, or as a 2-component system comprising, firstly, a premix of cement, additives and fillers, and secondly, the dispersion, which may need to be diluted. VINNAPAS® 760 ED is also ideal for introducing flexibility in cementitious tile adhesives. Furthermore, it can be used as a cementitious sealant adhesive.

In pure dispersion based applications VINNAPAS® 760 ED can also be used for flexible (crack-bridging) coatings or adhesives. It is suitable as a flexible constituent for blending with less flexible dispersions.

For typical application fields of VINNAPAS® 760 ED, refer to the section "application". Please discuss additional applications with your WACKER customer representative.

Processing:

VINNAPAS® 760 ED can be blended with most VINNAPAS® dispersions and many other aqueous polymer dispersions in any ratio. When blending, it is important to adjust the pH of both dispersions which are to be blended in a pH range in which both dispersions are stable. Storage tests should be carried out to check the compatibility of the mixture.

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. The product 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. Any longer periods for the maximum storage period that may be described in the Certificate of Analysis which accompanies each shipment of the product, take preference over this suggestion in which case the time period stated in the Certificate of Analysis shall be solely authoritative. 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

The product is adequately preserved during transportation and storage if kept in the original, unopened containers. However, if it is transferred to storage tanks, the dispersion should be protected against microbial attack by adding a suitable preservative package.

Measures should also be taken to ensure cleanliness of the tanks and pipes. In unstirred tanks, a layer of preservative-containing water should be sprayed onto the surface of the dispersion to prevent the formation of unwanted skin and possible attack by microorganisms. The thickness of this water layer should be < 5 mm for low viscosity dispersions and up to 10–20 mm for high viscosity products. Proper procedures – periodic tank cleaning and sanitization – must be set up in order to prevent microbial attack. Contact your biocide representative/supplier for further plant hygiene recommendations. Measures should be taken to ensure that only clean air enters the tank when the dispersion is removed.

Finished products manufactured from polymer dispersions usually also require preservation. The type and scope of preservation will depend on the raw materials used and the anticipated sources of contamination. The compatibility with other components and the efficacy of the preservative should always be tested in the respective formulation. Preservative manufacturers will be able to advise you about the type and dosage of preservative required.

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® 760 ED



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

Wacker Chemie AG, Hanns-Seidel-Platz 4, 81737 Munich, Germany
productinformation@wacker.com, www.wacker.com

The data presented in this medium 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 medium 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 information provided by us does 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 product for a particular purpose.