

PRIMIS® AF 1000

Product description

PRIMIS® AF 1000 is an aqueous composite dispersion that combines special properties of organic and inorganic components. The core of the dispersion particles is based on inorganic silica particles and the shell is based on acrylate copolymers.

PRIMIS® AF 1000 is manufactured without alkyl phenol ethoxylate (APEO) containing compounds.

Application

PRIMIS® AF 1000 is ideally suited for exterior masonry applications.

Storage

When the dispersion is stored in tanks, proper storage conditions must be maintained. PRIMIS® AF 1000 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 equipment and containers are not recommended. Therefore the use of containers and equipment made of ceramics, rubberized or enameled materials, appropriately finished stainless steel, or plastic (e.g. rigid PVC, polyethylene or polyester resin) is recommended.

As polymer dispersions may tend to superficial film formation, skins or lumps may form during storage or transportation. Filtration is therefore recommended prior to utilization of the product.

Preservation for transport, storage and further processing

PRIMIS® AF 1000 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. 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. Measures should be taken to ensure that only bacteria-free 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.

Additional information

If PRIMIS® AF 1000 is used in applications other than those mentioned, the choice, processing and use of PRIMIS® AF 1000 is the sole responsibility of the purchaser. All legal and other regulations must be complied with.

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.

Product data		
Specification data	Inspection Method	Value
Solids content	DIN EN ISO 3251	41 - 43 %
Viscosity, dynamic at 23 °C	DIN EN ISO 2555	70 - 150 mPa.s
Measurement condition for the method	Brookfield, spindle 2 / 20 rpm	
pH-Value	DIN/ISO 976	8 - 9
Typical general characteristics	Inspection Method	Value
Density	DIN EN ISO 2811-1	approx. 1,07 g/cm ³
Minimum film forming temperature	DIN ISO 2115	approx. 9 °C
Frost resistance	specific method	protect from freezing
Protective colloid / emulsifier system		ionic substances

Figures below "Typical general characteristics" are intended as a guide and should not be used in preparing specifications.

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.

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:

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