

# PRIMIS<sup>®</sup> KT 3000

## Polymer Dispersions

PRIMIS<sup>®</sup> KT 3000 is a drying and setting additive for water borne paints and plasters especially for all coating systems based on VINNAPAS<sup>®</sup> dispersions.

## Properties

- Allows application of exterior paints and plasters at critical climatic conditions such as low temperature and high humidity
- Protects against damage from early rain
- Extends the period during which paints and plasters can be applied outside
- Resulting formulations are solvent free
- Compatible with many binder systems

## Technical data

### Specification

Property	Condition	Value	Method
Viscosity, dynamic	23 °C	50 - 110 mPa·s	DIN EN ISO 2555
pH	-	13	DIN/ISO 976
Solids content	-	15 - 19 wt. %	DIN EN ISO 3251

## General Characteristics

Property	Condition	Value	Method
Density	-	approx. 1 g/cm <sup>3</sup>	DIN EN ISO 2811-1
Frost resistance	-	protect from freezing	specific method
Filler and pigment compatibility	-	very good	specific method
Electrolyte stability	-	very good	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

- Exterior Paints
- Ready-to-use dispersion-based Renders & Plaster

## Application details

PRIMIS® KT 3000 is a high performance additive for exterior architectural coating applications that should be applied under critical weather conditions like low temperatures and high humidity. Under these conditions, PRIMIS® KT 3000 provides early rain resistance and fast mechanical strength to paints and plasters.

The extent of the acceleration depends on the amount of additive used as well as the composition of the paint and plaster.

### Processing

PRIMIS® KT 3000 is usually added to the formulation in amounts of 0,1 to 0,3 %. It is added at the end of the production process. To customize the setting rate, always test the actual effect on drying / setting in the particular system beforehand.

## 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 the chapter 21 CFR (US FDA) and German BfR, please feel free to contact us.

Wacker Chemie AG Hanns-Seidel-Platz 4 D-81737 München Germany

## Packaging and storage

### Packaging

30l steel can, 205l drum

### 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. They are available on request from WACKER sales offices or may be printed via WACKER web site [www.wacker.com](http://www.wacker.com).

## QR Code PRIMIS® KT 3000



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

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