

# VINNECO® EP 3360 (100 MB)

## Polymer Dispersions

VINNECO® EP 3360 (100 MB) is an aqueous polymer dispersion based on vinyl acetate and ethylene. The dispersion is produced without the use of alkyl phenol ethoxylate (APEO) containing compounds.

For the production of this binder, 100% of the fossil raw materials required are replaced by renewable raw materials. The replacement is done based on the mass balance method. This method is certified by TÜV SÜD Industrie Service GmbH according to Standard CMS 71 with certificate number 71.0057.18

## Properties

- High solids content for formulation flexibility and supply-chain efficiency
- Very high scrub resistance
- Excellent hiding power
- Low-odor and very-low-VOC (< 1 g/l)

paints possible

## Technical data

### Specification

Property	Condition	Value	Method
Solids content	-	59 - 61 %	EN ISO 3251
Viscosity, dynamic	23 °C   Brookfield, spindle 4 / 20 rpm	3000 - 6000 mPa·s	DIN EN ISO 2555
pH	-	4 - 6	DIN/ISO 976

## General Characteristics

Property	Condition	Value	Method
Density	21 °C	approx. 1.07 g/cm <sup>3</sup>	DIN EN ISO 2811-1
Minimum film forming temperature	-	approx. 2 °C	DIN ISO 2115
Frost resistance	-	protect from freezing	specific method
Protective colloid / emulsifier system	-	ionic and nonionic surfactants and polymer compounds	-
Filler and pigment compatibility	-	very good	specific method
Appearance of the dispersion film	-	clear, glossy	Visual
Surface of the dispersion film	-	tack free	specific method
Glass transition temperature	-	approx. 10 °C	specific method
Electrolyte stability	-	very good	specific method
Predominant particle size	-	approx. 0.3 µm	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

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

## Application details

VINNECO® EP 3360 (100 MB) has an exceptionally high binding power and is highly recommended as a binder for indoor-paints and dispersion based indoor-plasters. It can also be used as a binder for exterior paints and dispersion based plasters.

Due to its minimum film forming temperature of approx. +2°C VINNECO® EP 3360 (100 MB) doesn't need any coalescence aids for filming.

## 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. VINNECO® EP 3360 (100 MB) 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 because the dispersion is slightly acidic. Corrosion may result in discoloration of the dispersion or its blends when further processed. 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

VINNECO® EP 3360 (100 MB) 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.

## QR Code VINNECO® EP 3360 (100 MB)



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

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