

# ETONIS<sup>®</sup> 1450 S

## Polymer Dispersions

ETONIS<sup>®</sup> 1450 S is a liquid additive for Soil Stabilization. In combination with the dispersion ETONIS<sup>®</sup> 1400 S the additive ETONIS<sup>®</sup> 1450 S enhances the performance particularly with finer particle size soils.

## Properties

ETONIS<sup>®</sup> 1450 S is added to the ETONIS<sup>®</sup> 1400 S for soil stabilization in a dosage of 5 to 10 % on the volume of ETONIS<sup>®</sup> 1400 S depending on the soil characteristics. ETONIS<sup>®</sup> 1450 S is added depending on the soil type. If the granulometry of the soil is showing a high content of sand particles the additive will improve the performance of ETONIS<sup>®</sup> 1400 S. ETONIS<sup>®</sup> 1450 S increases the structural links and cross-linking formation of the overall system.

## Technical data

### Specification

Property	Condition	Value	Method
pH	-	11 - 12	DIN/ISO 976

## General Characteristics

Property	Condition	Value	Method
Density	23 °C	1.22 g/cm <sup>3</sup>	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

- Soil Stabilization and Dust Prevention

## Application details

ETONIS® 1400 S and ETONIS® 1450 S are delivered as a two-component system. Both products can be added to the water used to regulate the optimum moisture content.

Mixing ratio: 4-parts cement, 1-part ETONIS® 1400 S, 5 % ETONIS® 1450 S on ETONIS® 1400 S.

For typical application fields of ETONIS® 1450 S, refer to the section "application". Please discuss additional applications with your WACKER customer representative.

## Packaging and storage

### Packaging

500 ml PE-Bottle, 30 l can, 1000 l IBC

### 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.

## QR Code ETONIS® 1450 S



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

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