
TECOSIT AC 1558

Characterization

Plasticizer free aqueous copolymer emulsion for elastomeric coatings

Chemical Structure

Acrylic copolymer emulsion

Supplied Form

White emulsion

pH Value (100g/l)

7.5 – 9.5

Ionic Character

Anionic

Solid Content

60 ± 2 %

Viscosity

1300 – 5000 cp (Brookfield RV, spindle:3, 20 rpm)

Specific Weight at 20 °C

Approx. 1.05 g/cm³

Minimum Film Forming Temperature < 0 °C

Glass Transition Temperature (Tg) Approx. - 60 °C

Properties

Film properties

Clear, very elastic and tacky films at room temperatures

Application

Areas of application

Due to high elasticity, high bonding strength and tackiness, high alkali resistance and UV radiation resistance as well as high pigment binding capacity TECOSIT AC 1558 can be used broad application fields in building sector, especially as a binder for elastomeric coatings.

TECOSIT AC 1558 is compatible with cement.

Processing

TECOSIT AC 1558 forms a very elastic and tacky film. TECOSIT AC 1558 has high pigment binding power, and its compatibility with pigments and fillers is very good. The amount of binder that should be used depends on the application, the properties required, the type of substrate and the amount of the pigments and fillers to be dispersed.

TECOSIT AC 1558 improves adhesion to various substances and ensures elasticity of the relevant mixtures but the final elasticity level depends on the added dispersion quantity.

By addition of other suitable components, the properties of TECOSIT AC 1558 can be modified. Mixing TECOSIT AC 1558 with other dispersions to influence the processing and tensile strength properties is possible.

Compatibility and efficiency of additives should be tested before additions.

Storage

We recommend not exceeding a storage time of 6 months. As far as possible, storage should be at a uniform temperature in the region of 5 - 35°C. TECOSIT AC 1558 should be kept away from frost and direct exposure of sunshine. Opened containers must be tightly closed again. Because of film forming nature of product, skins and lumps formation could be observed during storage. It is advisable to filter or sieve the product before using it.

The dispersion contains some initial preservatives to prevent attack by micro organisms. During further storage in opened drums or storage tanks a suitable preservative should be added despite our preliminary preservation measures. The compatibility and efficiency of the preservatives should be checked before addition.

We reserve the right to modify the product and technical leaflet.

Our department for applied technique is always at your service for further information and advice.

Our technical advice and recommendations given verbally, in writing or by trials are believed to be correct. They are neither binding with regard to possible rights of third parties nor do they exempt you from your task of examining the suitability of our products for the intended use. We cannot accept any responsibility for application and processing methods which are beyond our control.

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