
TECOSIT AC 5185

Characterization

Cement compatible dispersion for construction applications

Chemical Structure

Copolymer based on styrene and acrylic acid ester

Supplied Form

White dispersion

pH Value

7.0 – 9.0

Ionic character

Anionic

Solid content

57 ± 2 %

Viscosity

1000 – 3000 mPas (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 (T_g)

Approx. (- 10 °C)

Properties

Film properties

Clear, highly elastic, slightly tacky, glossy films at room temperatures

Application

Areas of application

Due to its cement compatible property TECOSIT AC 5185 forms stable systems free of ammonia odor in the formulations containing high amount of cement.

TECOSIT AC 5185 is used for insulation and flexible construction applications.

TECOSIT AC 5185 is suitable for applications required a high elasticity and water resistance. Due to its elastic properties, TECOSIT AC 5185 can be used in flexible coatings, crack-bridging systems, facade reinforcement systems, resin-bound plasters and textured coatings.

Processing

TECOSIT AC 5185 is suitable for construction applications by its elastic and UV resistant properties. Product can be combined with cement without problematic ammonia odor. Pretrials are recommended for cement ratio.

Due to its low MFFT, addition of plasticizer and coalescent agent is not required.

Various thickeners can be added to emulsion paints in order to adjust their viscosity and workability.

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 - 25°C. TECOSIT AC 5185 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 microorganisms. 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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