
TECOSIT AC 6430

Characterization	Plasticizer free aqueous polymer emulsion for paint applications
Chemical Structure	Vinyl acetate-vinyl versatate copolymer dispersion
Supplied Form	White fluid
pH Value	3.5 – 4.5
Ionic character	Anionic
Solid content	50 ± 2 %
Viscosity	1500 – 3500 mPas (Brookfield RV, spindle:3, 20 rpm)
Specific Weight at 20 °C	Approx. 1.04 g/cm ³
Minimum Film Forming Temperature	Approx. 20 °C
Glass Transition Temperature (Tg)	Approx. 25 °C

Properties

Film properties	Clear, tack free films at room temperatures
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Application

Areas of application	<p>General-purpose binder, mainly used for interior - outdoor paints, plasters and other construction applications.</p> <p>TECOSIT AC 6430 is suitable for products with a high water resistance and a good behavior with alkali</p> <p>TECOSIT AC 6430 is is a binder applicable especially in intumescent paint and coating formulations by improving flame retardancy.</p>
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Processing

TECOSIT AC 6430 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.

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.

TECOSIT AC 6430 is especially used in coating applications of materials such as wood and steel in the construction industry. In case of fire, formulations with TECOSIT AC 6430 provide an insulating layer on steel and thus keeps the steel below its critical temperature, keeps flame spread under control and protects structural resistance of steel.

For specific recipe recommendations our technical service will be at your entire disposal.

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 6430 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.

Edition: October 2022.

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