
SILCO AC 1044

Characterization	Pigment dispersant for coatings
Chemical Structure	Aqueous solution of polyacrylate
Supplied Form	Colorless - Yellow liquid
pH Value	5.7 – 7.3
Ionic character	Anionic
Specific Weight at 20 °C	Approx. 1.18 g/cm ³
Solid content	42 – 46 %
Viscosity	1000 – 2000 mPas (Brookfield RV, spindle:3, 50 rpm)
Storage	<p>The product is sensitive to frost to a certain extent. Changes occurring at low temperatures will disappear after warming and thorough stirring.</p> <p>As far as possible, storage should be at a uniform temperature in the region of 5 - 25°C. Should be kept away from frost and direct exposure of sunshine. Opened containers must be tightly closed again. The product can be stored for 12 months in its original, closed packaging under appropriate conditions.</p>

Properties

SILCO AC 1044 is an ammonia free dispersing agent for aqueous coating systems such as disperse and silicone resin paints, synthetic resin plasters. SILCO AC 1044 can be used for good dispersion stability and film properties.

SILCO AC 1044 is compatible with wide range of pigments, extenders and polymers. Product is effective over a wide pH range and has wide formulation facility. SILCO AC 1044 is stable against heat and improves scrub resistance of coatings.

Through stabilization of the dispersed colour system with SILCO AC 1044 the reagglomeration is prevented and the covering power as well as the sedimentation tendency of the coating material are simultaneously optimized.

Application Technique

Fields of application

SILCO AC 1044 is a universally applicable pigment dispersant for various latex based coatings and provides many formulating advantages.

SILCO AC 1044 provides good gloss and hiding. In addition, when handled with high-performance binder and additives, greater corrosion resistance can be obtained.

SILCO AC 1044 is highly appropriate for the use in disperse and silicone resin paints, synthetic resin plaster and disperse adhesives. SILCO AC 1044 can be used for good dispersion stability and film properties.

Recommendation for use

The usual application concentration of SILCO AC 1044 is:

0.1 - 0.3 % SILCO AC 1044

related to the whole recipe.

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: June 2022.

CHT GERMANY GMBH, P.O. Box 12 80, 72002 Tübingen, Bismarckstraße 102, 72072 Tübingen, Germany

Telephone: 07071/154-0, Fax: 07071/154-290, Email: info@cht.com, homepage: www.cht.com

CHT TURKEY KİMYA SAN. VE TİC.A.Ş., Akçaburgaz Mah. 3118. Sok. No:2 Esenyurt/İstanbul, Tel: +90 212 886 79 13, Fax:+90 212 886 93 47,

Email: info.turkey@cht.com