

Dispex[®] CX 4248

Product description Dispex[®] CX 4248 is a highly effective, low viscosity dispersing agent for water-based coating systems, especially suitable for the dispersion of inorganic pigments and fillers.

Chemical nature Solution of ammonium salt of an acrylic copolymer in water.

Properties

Physical form Colorless to slightly yellowish clear liquid.

Technical data

(not supply specification)

Solvent	Water
Density at 20°C (68°F)	~ 1.06 g/cm ³
Solid content	~ 32 %
pH-Value	~ 8.5
Viscosity at 20°C (68°F)	~ 2,000 mPa*s

Application

Dispex® CX 4248 is a high performance polymeric dispersing agent which improves wet scrub resistance in highly filled interior wall paints. Additionally, Dispex® CX 4248 allows to reduce the amount of latex and TiO₂ while maintaining spreading rate and other paint film properties. Especially in combination with Acronal® 6292 it helps reducing the overall cost of formulation.

Used in laquers Dispex® CX 4248, it enables a high gloss level, while it does not influence hardness and leads to low water sensitivity due to the pronounced hydrophobic character.

recommended concentrations

0.5 – 1.5 % on total formulation

The optimum amount of dispersing agent required to form a stable dispersion strongly depends on the pigment's chemical nature, the particle surface and shape. The polymer base of the latex also plays a very important part in the stability equation. In general, significant overdosing may deteriorate the coating's properties (e.g., water resistance) and generate an economic disadvantage. Likewise, insufficient dispersing agent will lead to instability on storage.

The pigment should be added to a heavily stirred solution of dispersing agent and water. In general, the pH of the final preparation should be minimum 8.5 in order to obtain optimum dispersing efficiency.

Storage

Although Dispex® CX 4248 is freeze-stable it should be stored at temperatures above 5°C (41°F) to allow easy handling.

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Validity

This Technical Data Sheet is valid for all versions of the Dispex® CX 4248.

Safety

When handling this product, please comply with the advice and information given in the safety data sheet and observe protective and workplace hygiene measures adequate for handling chemicals.

Note

The data contained in this publication are based on our current knowledge and experience. In view of the many factors that may affect processing and application of our product, these data do not relieve processors from carrying out their own investigations and tests; neither do these data imply any guarantee of certain properties, nor the suitability of the product for a specific purpose. Any descriptions, drawings, photographs, data, proportions, weights, etc. given herein may change without prior information and do not constitute the agreed contractual quality of the product. The agreed contractual quality of the product results exclusively from the statements made in the product specification. It is the responsibility of the recipient of our product to ensure that any proprietary rights and existing laws and legislation are observed.

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