

Dispex® CX 4248

general 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

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

**typical properties
(no supply specification)**

Solvent	Water
Density at 20°C (68°F)	~ 1.06 g/cm ³
Solid content	~ 32 %
pH	~ 8.5
Viscosity at 20°C (68°F)	~ 2000 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® ECO 6270 it helps reducing the overall cost of formulation.

recommended concentrations 0.3 – 0.5 % 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 approx. 8.5 in order to obtain optimum dispersing efficiency.

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Safety

When handling these products, 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

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