

Dispex Ultra[®] PX 4290

Product description High molecular weight dispersing agent.

Key benefits

- Designed to stabilize inorganic and organic pigments in aqueous formulations
- Outstanding color strength
- Improved gloss
- Anti-flooding behavior
- Excellent flocculation stability
- Solvent-free

Chemical nature Modified polymer

Properties

Physical form Clear, yellowish liquid.

Technical data

(no supply specification)

Solvent	water	
Density	at 20 °C (68 °F)	~ 1.06 g/cm ³
Active content		~ 40 %

Application

Dispex Ultra[®] PX 4290 is a dispersing agent of organic and inorganic pigments in aqueous coating systems, printing inks and adhesives. Due to the excellent stabilizing characteristics high levels of gloss, outstanding color strength and excellent viscosity reduction can be achieved. This allows also higher pigment loadings while excellent flow characteristics are maintained.

Formulation guideline

Calculation method to estimate the minimum required amount of active ingredients on pigment (DOP):

Inorganic pigments	20 – 30 % on oil absorption value
Organic pigments (green, blue, violet)	15 – 30 % on BET value
Organic pigments (yellow, orange, red)	25 – 45 % on BET value
Carbon blacks (LCF)	15 – 20 % on DBP value
Carbon blacks (HCC)	50 – 80 % on DBP value

Storage

Separation or turbidity may occur during storage or transportation below 0 °C. Heat to 35 – 40 °C (95 – 104 °F) and stir well to re-liquefy.

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Validity

This Technical Data Sheet is valid for all versions of the Dispex Ultra® PX 4290.

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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