

Product Description – Dispersing Agent

PIGMACOLOR® DISPERSANT A

Dispersing agent for water-based systems

Field Dispersion paints

Properties

- Dispersion paints are usually formulated with extenders, particularly the very fine calcium carbonates now available. The dispersion of these extenders in water based systems must be achieved easily with common stirrers and without forming agglomerates or causing a viscosity build up. The usual inorganic dispersants do not solve this problem satisfactorily; Either because their complexing and deflocculating action are limited by the fineness of the extenders used. Or because of their poor temperature stability which causes hydrolysis and limits their efficiency. **DISPERSANT A** has been especially developed to overcome these problems. It ensures the complete dispersion of the extenders and inorganic pigments at high solids contents and in systems with high P.V.C.

Chemical nature Ammonium Polyacrylate

Technical Data

Appearance:	Aqueous solution
Colour:	Yellowish-yellow
Solid content(%):	Min.40%
Viscosity:	Max.1000cps (Brook.RV,20°C, S#5, 50 rpm)
Packing:	60-130 kg PE drums
Storage:	Product is stable for 1 year under the appropriate conditions.
Safety	No special precautions.

Application

DISPERSANT A must be present during pigment and extender dispersion and should, therefore, be added before these products are blended in. The addition level determined by plotting the graph of the viscosity of the dispersion in water, versus the amount of the dispersant added. The level of the dispersant corresponding to the minimum viscosity is selected as the addition level. The required amount varies from 0.5% to 1.5 % of active ingredients based on the total weight of the pigments and fillers.

It is recommended to disperse the pigments and fillers in a pH range of 7.5 to 9.5.

Besides, dispersion paints, the main applications for **DISPERSANT A** are in adhesives and wall paper pastes.

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KEMITEKS Kimya San. ve Tic. A.Ş.
 Omerli Mah. Gulce Sokak No:80 34555
 Hadimkoy / Arnavutkoy / ISTANBUL
 Tel: +90-212-771 28 28 Faks : +90-212-771 28 37
info@kemiteks.com
www.kemiteks.com