

HIGHLY EFFECTIVE DISPERSING AGENT

TECHNICAL DATA SHEET

Dispol A40 is a highly effective, ammonium polyacrylate homopolymer, low viscosity dispersing agent for water-borne coating systems. The product is especially suited for the high PVC dispersion of inorganic pigments.

Benefits

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| Excellent efficiency, thus economical | Low foam |
| Broad formulation range | Compatible with HASE and NSAT rheology modifiers |
| Excellent viscosity stability | Ease of processing and handling |
| Will not detract from the water or humidity resistance of the dried film | |

Applications / Uses

Dispol A40 dispersing agent is suitable for dispersing inorganic pigments and fillers such as TiO₂, calcium carbonate, kaolin/china clay, dolomite and other inorganic pigment types that are commonly used in paint and coatings applications.

Highly suited for:

- Matt decorative paints
- Kitchen and bathroom decorative paints
- Exterior matt paints

Typical Properties

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| Appearance | Light, straw coloured liquid |
| Specific Gravity, g/cm ³ | 1.16 |
| Brookfield Viscosity, as supplied, cPs | 400 - 1000 |
| Solubility | Completely miscible with water |
| Solids | 43% |
| Active Content | 40% |
| Odour | Slight |
| pH (typical value) | 7.0 |

Formulation / Dosage Notes

Dispol A40 dispersing agent should be thoroughly mixed with water before adding pigments and fillers to the system using high shear mixers. Using this method very high pigment loading can be achieved. The optimum dispersing efficiency is achieved at approximately pH 8.5. In general, significant overdosing may deteriorate the coatings' properties (e.g., water resistance) and also generates an economic disadvantage. Likewise insufficient dispersing agent will lead to instability on storage.

The dosage required is between 0.5% - 2.0% calculated as supplied on weight of pigments and fillers.

Usage Notes

Although Dispol A40 dispersing agent is freeze stable it is recommended to avoid frost and freezing, and to store at temperatures below 50°C to enable easy handling of the product. Do not store in steel, copper or aluminium containers. Thermal decomposition above 200°C releases carbon dioxide. It is recommended to use the product in rotation on a first-in first-out basis.

Observe general health & safety rules (avoid contact with skin; wear goggles and gloves etc.). This sheet is to be read in conjunction with its corresponding Safety Data Sheet (SDS).

Contact

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