

## HIGHLY EFFECTIVE DISPERSING AGENT

## TECHNICAL DATA SHEET

Dispol N40 is a highly effective, sodium 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

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 N40 dispersing agent is suitable for dispersing inorganic pigments and fillers such as TiO<sub>2</sub>, calcium carbonate, kaolin/china clay, dolomite and other inorganic pigment types that are commonly used in paint and coatings applications.

Highly suited for:

- Decorative paints
- Primers

### Typical Properties

Appearance	Light, straw coloured liquid
Specific Gravity, g/cm <sup>3</sup>	1.16
Brookfield Viscosity, as supplied, cPs	400 - 1000
Solubility	Completely miscible with water
Solids	44%
Odour	Slight
pH (typical value)	7.0

### Formulation / Dosage Notes

Dispol N40 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 N40 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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