

# DISPOL N40

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.

	Unit	Value	Method
<b>Sales Specifications</b>			
Solids content	%	44	DIN 53189 / ISO 1625
Viscosity	cPs	700 ± 300	ISO 2555, Brookfield RVT; spindle 2; 20 rpm; 23 °C
pH		7.0 ± 0.5	DIN 53785 / ISO 1148
<b>Typical properties</b>			
Appearance	-	Light, straw coloured liquid	-
Odor	-	Slight	-
Solubility	-	Completely miscible with water	-
Density	g/cm <sup>3</sup>	approx. 1.16	ISO 8962

## Applications/Uses

Decorative paints and primers

## Benefits

Excellent efficiency	Low foam
Broad water – based applications range	Great compatibility with HASE and NSAT rheology modifiers
Improved storage stability	Ease of processing and handling
Will not detract from the water or humidity resistance of the dried film	

## 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. The recommended dosage of Dispol N40 is 0.5% – 2.0% w/w calculated on pigments and fillers. Nevertheless, lab – scale testing is always recommended for optimum addition percentage.

Significant overdosing may deteriorate the coatings' properties. Likewise, underdosing will lead to storage instability.

## Storage/Handling

Dispol N40 should be stored in a dry and well-ventilated indoor area, avoiding frost and freezing. Dispol A40 can be stored for at least 12 months between +5°C and +40°C. 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.

This sheet is to be read in conjunction with its corresponding Safety Data Sheet (SDS).

## Packaging

DISPOL N40 is available in 25kg jerrycan, 200kg drum and 1100kg ibc.

## Contact

Please contact [info@acro-pol.com](mailto:info@acro-pol.com) or T: +30 210 620 2222.

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