



# Alcosperse<sup>®</sup> and Narlex<sup>®</sup> dispersing agents

High performance solutions for  
water borne formulations

**Nouryon**

# Polymeric dispersing agents

Our range of polyacrylic dispersing agents enable the creation of innovative waterborne paints and coatings with excellent performance characteristics.

Polyacrylic acid and polycarboxylate products are essential components in water-based coatings, mainly utilized in architectural paints, industrial coatings, colorants and inks. These polymeric dispersants significantly enhance the stability, appearance, and performance of paint formulations. They facilitate uniform dispersion of pigments and fillers, thereby improving the overall quality of the paint.

## Our solutions

Selecting the right dispersant depends on efficiency, compatibility with rheology modifiers and specific film performance requirements. We offer two main types of polymeric dispersants: Polyacid Homopolymers, and Polyacid Copolymers.

### Polyacid Homopolymers

Polyacid homopolymers, composed of polymerized acrylic or methacrylic acids, are neutralized with ammonium or sodium salts, resulting in hydrophilic dispersants. These polymers are cost-effective and efficient, particularly suitable for dispersing pigments and fillers with low foam generation. They exhibit compatibility with ASE, HASE, and cellulose ether rheology modifiers. Our solutions in this category include Alcosperse 602N and Alcosperse 492.

### Polyacid Copolymers

Polyacid copolymers utilize hydrophilic or hydrophobic comonomers and are neutralized similarly to homopolymers.

Hydrophilic copolymers are versatile, providing a balance between efficiency and compatibility, and are recommended for use with all types of rheology modifiers including Bermocoll® and Alcogum®. Our solutions in this category include Narlex LD42, Narlex LD45, and Narlex LD43SF.

Hydrophobic copolymers enhance gloss, stain, and water resistance, making them suitable for HEUR modifiers, and providing efficient dispersing pigments and fillers. Our solutions for hydrophobic copolymers include Alcosperse 747 and 787.





## Alcosperse® dispersing agents

Our Alcosperse® dispersing agents are ideal for a wide range of water-based paints and coatings, delivering superior performance and excellent stain and water mark resistance in select products.

### Alcosperse 787

A high performing hydrophobic dispersant providing best in class color acceptance ideally suited for exterior coatings where excellent water mark and salt resistance are required.

### Alcosperse 747

An efficient hydrophobic pigment dispersant providing excellent color acceptance and water mark resistance for interior applications where maintaining a low odor profile during application is a concern.

### Alcosperse 602N

A low foaming, highly efficient VOC-free dispersant for pigments like TiO<sub>2</sub>, CaCo<sub>3</sub> and mineral clays that offers broad formulating latitude.

## Narlex® dispersing agents

Our Narlex® dispersing agents are designed to provide low foaming, excellent stability, and enhanced gloss and leveling in aqueous emulsion paints.

### Narlex LD 42

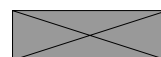
A highly concentrated, low viscosity solution polymer that excels dispersing pigments and fillers, improving gloss and leveling while maintaining low foaming and stability over a broad pH range.

### Narlex LD 45

A highly concentrated, low viscosity solution polymer offering good compatibility with various resins and pigments, providing consistent results in high gloss applications with improved water mark resistance.

### Narlex LD 43SF

Excels with inorganic pigments and fillers, improving gloss and leveling while maintaining low foaming and stability over a broad pH range.



# Product Selection Guide

	Polyacid Homopolymer	Hydrophillic copolymer			Hydrophobic copolymer	
	Alcospense 602N	Narlex LD42	Narlex LD45	Narlex LD43SF	Alcospense 747	Alcospense 787
Description	Na <sup>+</sup> based acrylates	Na <sup>+</sup> based	NH <sub>4</sub> <sup>+</sup> based	Na <sup>+</sup> based	Na <sup>+</sup> based	NH <sub>4</sub> <sup>+</sup> based
Global Availability	Yes	North America	North America	Europe	Yes	Yes
Features						
Dispersant efficiency	•••	••	••	••	••	••
Gloss potential	•	•••	•••	•••	••	••
Water mark resistance	•	••	•••	••	•••	•••
Stain resistance	•	••	••	••	•••	•••
Low foaming	••	••	••	••	•	•
Rheology Modifier Compatability						
Cellulosic	•••	•••	•••	•••	•••	•••
ASE/HASE	•••	••	••	••	•	•
HEUR	•	••	••	••	•••	•••

• = fair, ••• = best

Contact us directly for detailed product information and sample request.  
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