

SAG CONTROL AGENTS

Anti-Sagging Resin 908R

Positioned against Nuplex 81198

Hydroxy-functional SCA paste for two-component polyurethane automotive and industrial topcoats.

Overview

908R is a high weather resistance modified hydroxy acrylic resin containing an extremely fine polyurea crystal structure. Because the resin itself carries hydroxy functionality at 100 mg KOH/g on solids, it takes part in the two-component polyurethane crosslink instead of sitting in the film as inert thixotrope. It is used in hydroxy two-component urethane automotive and industrial coatings.

Typical Data

Property	Value
Appearance	Pale yellow translucent paste
Solids (120C x 60 min)	50-53 wt%
Thixotropy (23C, 6 rpm / 60 rpm)	4-9
OH value	100 mg KOH/g on solids
Amine value	Below 8 mg KOH/g
Fineness	Below 15 microns
Specific gravity (25C)	0.97-1.02
Solvent	Xylene / n-butyl acetate 80/20
Storage	Below 30C
Shelf life	12 months
Packing	200 kg drum

Recommended Dosage

Basis	Addition level
On finished formulation	7-11%

Dispersant figures are percentages on pigment weight, not on the total batch. Published values are empirical; confirm the optimum with a dosage ladder in your own system.

Use Guide

- Dose at 7-11% on the finished formula.
- Account for the hydroxy contribution when calculating the isocyanate ratio, since 908R carries an OH value of 100 mg KOH/g on solids.
- Store below 30C. Shelf life is 12 months.

Applications

- Two-component polyurethane automotive topcoats
- Two-component industrial coatings on vertical steelwork
- High-build single-pass applications where sagging is the limit

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