

TECHNICAL DATA SHEET

SYNAQUA® 9511

Hydroxyfunctional acrylic dispersion

PRODUCT APPLICATION DETAILS

SYNAQUA® 9511 is an acrylic polyol emulsion designed for 2K and for 1K stoving systems. It can be used for plastic and metal applications.

SALES SPECIFICATIONS

	CHARACTERISTICS	METHODS
Solid content (125°C)	43 - 45 %	ISO 3251
pH	7 - 8,5	ISO 976
Viscosity (25°C)	1000 max mPa.s	ISO 2555

OTHER CHARACTERISTICS¹

	CHARACTERISTICS	METHODS
Appearance	milky emulsion	-
Solvent	Water / Butyl Glycol / Dimethylethanolamine 45.5 / 7.5 / 0.8	-
Density	1.05 g/ml	ISO 2811
Hydroxyl content	3 %	-
Average particle size	220 max nm	ISO 13321

¹The data provided for these properties are typical values, intended only as guides, and should not be construed as sales specifications

MARKETS

Coatings & Inks

- Industrial Coating
 - Automotive - OEM
 - General Industry
 - Protective And Marine Coating
 - Wood Furniture

PERFORMANCE BENEFITS

- Very good hardness development
- Tough but flexible
- Very good gloss
- Very good adhesion (steel, aluminum, ABS, PVC, PC....)
- Fast drying properties
- Excellent weathering and non-yellowing properties

SYNAQUA® 9511

FORMULATION GUIDELINES

RECOMMENDATIONS FOR USE

Formulations can be cured at ambient temperature with a relative humidity lower than 60% or 30min at 70°C. We advice a NCO/OH ratio of 1.3.

PRODUCT SAFETY

Please refer to the corresponding Safety Data Sheet.

STORAGE AND HANDLING

SYNAQUA® 9511 should be stored indoors in the original, unopened and undamaged container, in a dry place at a temperature not exceeding 30°C. Exposure to direct sunlight should be avoided.
In the above mentioned storage conditions the shelf life of the resin will be from the shipping date.

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