

## 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 CHARACTERISTICS<sup>1</sup>

	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

<sup>1</sup>The 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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