

# SYNAQUA® 9511

GENERAL INDUSTRY

(FORMERLY SYNAQUA® E21011)

ARKEMA COATING RESINS

**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.

## 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

## Polymer Type

- Acrylic polyol Emulsion

## Sales Specifications

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

## Other Characteristics<sup>1</sup>

Appearance	milky emulsion
Volatile	Water / Butyl Glycol / Dimethylethanolamine 45.5 / 7.5 / 0.8
Density / Specific Gravity at 20°C, g/ml (ISO 2811)	1.05
Hydroxyl Content, %	3
Average Particle size, nm (ISO 13321)	220 max

Note: Acid value and/or Hydroxyl value quoted relative to solid resin

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

## 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.

**SYNAQUA®**

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## Product Safety

Please refer to the corresponding Safety Data Sheet.

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## Storage & Handling

SYNAQUA® 9511 should be stored indoors in the original, unopened and undamaged container, in a dry place at storage temperatures between 5°C and 30°C. Exposure to direct sunlight should be avoided.

The product is protected to prevent any microbial deterioration during normal conditions of storage but care should be taken to avoid accidental contamination during subsequent handling and processing.

In the above mentioned storage conditions the shelf life of the resin will be 6 months from the shipping date

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### Arkema Coating Resins

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The logo for ARKEMA, featuring the word "ARKEMA" in a bold, sans-serif font. The letters "A", "R", "K", "E", and "M" are in a dark blue color, while the letter "A" at the end is in a light green color.