



# POLYURETHANE RESIN - SM AP (WB)

## DESCRIPTION:

SM AP (WB) is a Non-toxic, VOC-free polycarbodiimide based crosslinking agent which helps improve waterborne resins various attributes such as;

- Water, solvent, chemical resistance
- Hardness, abrasion, scratch resistance
- Adhesiveness
- It reacts with carboxyl group even in room temperature, with dosage low as 3~7%.  
Recommended curing condition : Over 50 °C (122F)

## SPECIFICATION:

Appearance	Transparent, Pale Yellow
% Solid	40
IONIC NATURE	NON IONIC
VISCOSITY (20 DegC)	130mPas
pH	8 – 11
CARBODIIMIDE EQ. WEIGHT	430

The leaflet provides information based on experience and lab experiments, but values may vary in practical use. Customers should ensure product suitability and not base legal claims on the leaflet.



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## KEY BENEFITS:

- Non-toxic
- Excellent performance at low temperature cure
- Good alkali resistance
- Longer pot-life
- Excellent dispersibility

## APPLICATIONS:

- Waterborne: acrylic, polyurethane resins
- Crosslinker for industrial coatings and paints where high spec performances are demanded
- Adhesion promoter

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