

Polycin™ D-290

polyol for coatings and adhesives

product information

Polycin D-290 is a 100% solids, castor oil-based derivative designed for use as a polyol or reactive diluent in polyurethane coating systems. Polycin D-290, with its very low viscosity, will allow for the formulation of higher system solids with improved VOC reduction. Polycin D-290 will also impart the beneficial properties of castor oil derivatives, such as improved flow and levelling.

application background

- Formulation of high solids polyurethanes
- Coatings, adhesives, sealants and elastomeric formulations
- Low VOC, UV resistant industrial maintenance and OEM coatings
- Force-dry bake topcoats
- Primers for plastics and metals
- Solvent free pigment dispersions for urethane and melamine bake systems

performance benefits

- Moisture resistance based on hydrophobic nature
- VOC and viscosity reduction in coatings, adhesives and sealants
- Improvement in flexibility, adhesion and chemical resistance
- Biodegradable and renewable source

typical characteristics

Form	Pale, yellow liquid
Equivalent Weight	193
Functionality	2
Hydroxyl Value	290
Viscosity, cP @ 25°C	280
Acid Value	5 maximum
Gardner Color	8 maximum
Specific Gravity, 25°C/25°C	0.960
Moisture, %	0.05 maximum
Non-Volatile, %	100

recommended use level

- Dependent on application and ingredients used
- Contact your Aurorium representative for further information.

Consult the Safety Data Sheet for hazard and regulatory information

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technical data sheet