TECHNICAL DATA SHEET

TRI-REZ® Polyol 1220A-300

TRI-REZ® Polyol 1220A-300 is a 100% solids highly branched saturated polyester polyol based on **TRIMET® TME** (Trimethylolethane).

The highly branched structure of **TRI-REZ® Polyol 1220A-300** makes it an ideal choice for formulating two component, high solids polyurethane coatings and elastomers that require excellent UV and chemical resistance properties.

Typical Properties*

Property	Result
Appearance	**Clear viscous liquid**
Acid value (as supplied), mgKOH/g	**4.0 max**
Hydroxyl number (as supplied), mgKOH/g	**280 - 300**
Non-volatile, %	**95 min**
Viscosity, Brookfield @ 25°C (as supplied), P	**1000 - 2500**
Colour, APHA	**250 max**
Density	
Pounds / Gallon @ 25°C	**9.5 +/- 0.3**
Grams / Litre @ 25°C	**1140 +/- 40**
Moisture, %	**0.2 max**

* The typical values presented here are believed to be accurate; they should not, however be considered to constitute a specification.

EUROPE

Charleston Road, Hardley,
Hythe, Southampton, Hampshire
SO45 3ZG UK
Call +44 2380 245 437

NORTH AMERICA

300 Brookside Avenue,
Building #23, Suite 100 Ambler,
PA 19002 USA

Call +1 215 773 9280 Toll

Free 888 519 3883

Email: PaintsandCoatings@geosc.com

www.geosc.com

GEO® SPECIALTY CHEMICALS

TRI-REZ® Polyol 1220A-300

TECHNICAL DATA SHEET

Solubility

TRI-REZ® Polyol 1220A-300 is completely soluble in most ether, ester, ketone, and carbonate solvents and partially soluble in tert-butyl acetate, PCBTF (para-chlorobenzotrifluoride) and aromatic solvents. Solubility is extremely limited in aliphatic hydrocarbons solvents.

Compatibility

TRI-REZ® Polyol 1220A-300 is compatible with all other **TRI-REZ®** products, PO and EO polyether polyols, and epoxy resins. **TRI-REZ® Polyol 1220A-300** has limited compatibility with poly-carbonates, PTMEG (poly-tetramethylene glycol) and acrylics.

Applications

TRI-REZ® Polyol 1220A-300 can be used in combination with aromatic and aliphatic poly-isocyanates to formulate coatings with excellent exterior durability.

Coatings formulated with **TRI-REZ® Polyol 1220A-300** demonstrate excellent abrasion resistance and high impact strength. Flexibility of these systems can be further modified by blending with TRI-REZ® 230 series of polyester diols.

TRI-REZ® Polyol 1220A-300 can also be used as a plasticizer for two component epoxy flooring systems.

Note: Suggested market applications are not to be interpreted as a guarantee of performance. **TRI-REZ® 1220A-300** must be fully tested in the intended application to validate performance prior to commercialization.

Registration & Regulatory Information: Please refer to the safety datasheet.

Handling & Storage: TRI-REZ® Polyol 1220A-300 is a hygroscopic material; contamination from atmospheric moisture will cause undesirable side reactions in urethane formulations.

Container should be sealed at all times, unless discharging.

If pre-heating is required, a maximum temperature of 70°C is recommended.

Shelf life: TRI-REZ® Polyol 1220A-300 can be stored for up to 30 days at 70°C with no adverse reactions.

The shelf-life of the material is 12 months after receipt, if stored in the original container at 0-50°C

Miscellaneous: Various pack types available; please contact your local GEO Specialty Chemicals representative for further information.

REVISION DATE: OCTOBER 2020

GEO® SPECIALTY CHEMICALS