

Technical Data Sheet

EPI-REZ™ Resin 7520-WD-52

Product Description

EPI-REZ™ Resin 7520-WD-52 is a 52% weight solids, non-ionic aqueous dispersion of a modified EPON™ Resin 1001 solid epoxy resin. This low VOC and HAPs-free¹ waterborne epoxy dispersion provides high performance coatings for metal and concrete substrates. EPI-REZ™ Resin 7520-WD-52 exhibits good compatibility with many water-reducible amine curing agents, and is designed for use with either Research Curing Agent RSC-4431 or EPIKURE™ Curing Agent 6870-W-53.

EPI-REZ Resin 7520-WD-52, when combined with Research Curing Agent RSC-4431, provides a cost-effective, high performance alternative to traditional solvent-borne coatings systems. This new system is called the NextGen Epoxy™ Waterborne System.

Benefits

- Ultra-low VOC for concrete (<50 g/L) and metal (<100 g/L) coatings
- Superior corrosion resistance (1000 hours ASTM B117)
- Excellent adhesion to metal and concrete
- Fast dry times and good hardness development
- Long pot life with high gloss profile
- High solids with low viscosity for easier handling
- Improved product shelf and freeze-thaw stability

¹Hazardous air pollutants as defined by the US Environmental Protection Agency .

Sales Specifications

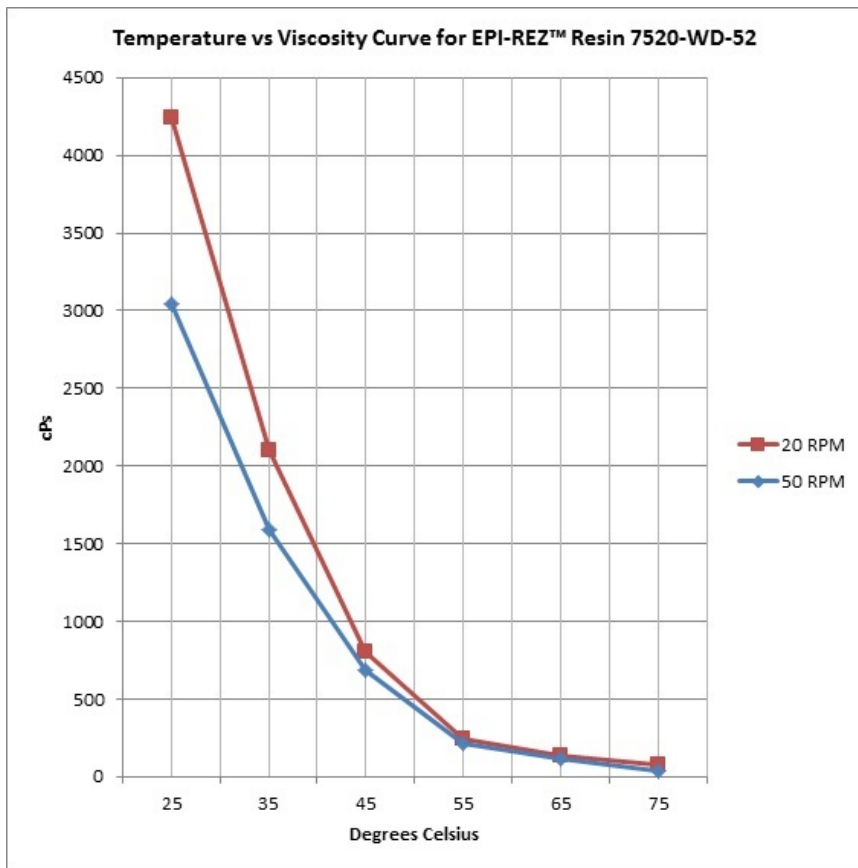
Property	Value	Unit	Test Method
Epoxide Equivalent Weight	475 - 575	g/eq	ASTMD1652
Solids	51 - 54	% wt.	ASTMD1259
Viscosity at 25°C	1000 - 6000	cP	ASTMD2196

Typical Properties

Property	Value	Unit	Test Method
Appearance	Milky		Visual
Co-Solvent	5	% m/m	Calculated
Density at 25°C	8.9	lbs/gal	ASTMD1475

Performance Properties

Figure 1 / EPI-REZ™ Resin 7520-WD-52 Viscosity vs. Temperature, @ 20 rpm & 50 rpm



General Information

The preferred choice of curatives are either Research Curing Agent RSC-4431 or EPIKURE™ Curing Agent 6870-W-53. When EPI-REZ™ Resin 7520-WD-52 is combined with either EPIKURE™ Curing Agent 6870-W-53 or with RSC-4431 then clear coats, enamels and primers can be formulated with volumetric mix ratios from 4:1 to 1:1. Additionally, EPI-REZ™ Resin 7520-WD-52 is compatible with many other waterborne epoxy curatives and additives.

Safety, Storage & Handling

Please refer to the MSDS for the most current Safety and Handling information.

Please refer to the Hexion Inc. web site for Shelf Life and recommended Storage information.

Exposure to these materials should be minimized and avoided, if feasible, through the observance of proper precautions, use of appropriate engineering controls and proper personal protective clothing and equipment, and adherence to proper handling procedures. None of these materials should be used, stored, or transported until the handling precautions and recommendations as stated in the Material Safety Data Sheet (MSDS) for these and all other products being used are understood by all persons who will work with them. Questions and requests for information on Hexion Inc. ("Hexion Inc.") products should be directed to your Hexion sales representative, or the nearest Hexion sales office. Information and MSDSs on non-Hexion products should be obtained from the respective manufacturer.

Packaging

Available in bulk and drum quantities.

Contact Information

For product prices, availability, or order placement, visit the "Contact Us" section of our website. For literature and technical assistance, visit our website at: www.Hexion.com/epoxy