Epoxy Resin SR215

Revision: September 2025

Product Description

SR215 is a low-viscosity, liquid epoxy resin. It is composed of bisphenol-A diluted with a chemical reactive diluent (reduced viscosity would be desirable). This diluted resin can be cured with amine-based curing agents like Metacure® SH571 & Metacure® SH551.

Application Areas

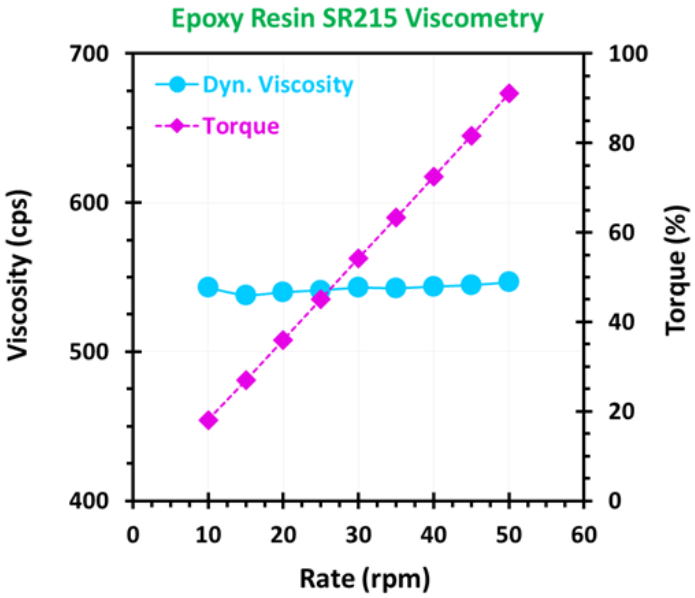
SR215 is suitable for room-temperature-cured paints (including solvent-based, solvent-free, and tar types), flooring material (for civil engineering and architecture), mortar, grout, reinforcements, glues, compounds & polishes, and laminates for electrical & electronic applications.

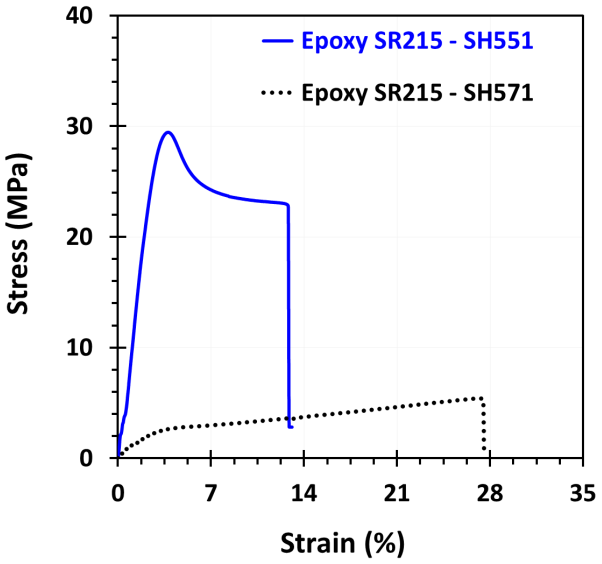
Benefits

- Low viscosity
- Good transparency
- Great impact and compressive strengths

Safety, Storage & Handling

SR215 should be stored in conditions so that moisture is excluded, preferably in the original containers kept tightly closed. Under these conditions, the storage life should be at least one year at normal temperatures. If the haziness phenomenon or crystals' generation develops during storage of SR215, this can be dispersed and restored to its original condition by warming to 45-50 °C, concurrent with stirring.





© Metasan | metasan.co | 021 91006091

All statements, technical information and recommendations contained herein are based on tests and data which we believe to be reliable, but the accuracy or completeness thereof is not guaranteed and no warranty of any kind is made with respect thereto.

Technical Data Sheet

Epoxy Resin SR215

Revision: September 2025

Product Specification

Property	Unit	Value	Test Method/Standard
Viscosity (27 °C, L2 Spindle, 10-50 rpm)	cps	500 – 600	ASTM D445
Color	Pt-Co	18 – 24	ASTM D1209
Density	kg/l	1.15 – 1.19	ASTM D792
Epoxy Equivalent Weight (EEW)	g/eq	165 – 170	ASTM D1652
Recommended Proportion with Hardener **Metacure® SH571 (AHEW=97 – 99)** **Metacure® SH551 (AHEW=93 - 95)**	Phr*	57 – 60 55 – 58	Calculated
Mechanical Properties (with Metacure® SH551): ➢ **Tensile Strength** ➢ **Elastic Modulus** ➢ **Toughness** ➢ **Elongation at Break**	 MPa MPa J %	 28 – 32 1200 – 1400 15 – 18 8 – 12	ASTM D638
Mechanical Properties (with Metacure® SH571): ➢ **Tensile Strength** ➢ **Elastic Modulus** ➢ **Toughness** ➢ **Elongation at Break**	 MPa MPa J %	 4 – 7 90 – 120 6 – 10 25 – 30	ASTM D638
Pot life at 25±1 °C, 50 g **Metacure® SH571** **Metacure® SH551**	min	16 – 20 60 – 65	-

*phr: parts per hundred of resin

© Metasan | metasan.co | 021 91006091

All statements, technical information and recommendations contained herein are based on tests and data which we believe to be reliable, but the accuracy or completeness thereof is not guaranteed and no warranty of any kind is made with respect thereto.