Technical Data Sheet

Polyamine Curing Agent Metacure® SH571

Revision: September 2025

Product Description

Metacure® SH571 is a low-viscosity, high-colored phenolic amine curing agent. It is designed for room-temperature curing usages, having suitable mechanical properties for epoxy grouting, flooring, and tank coatings. The presence of both phenolic (–OH) and amine groups gives them unique reactivity profiles.

Application Areas

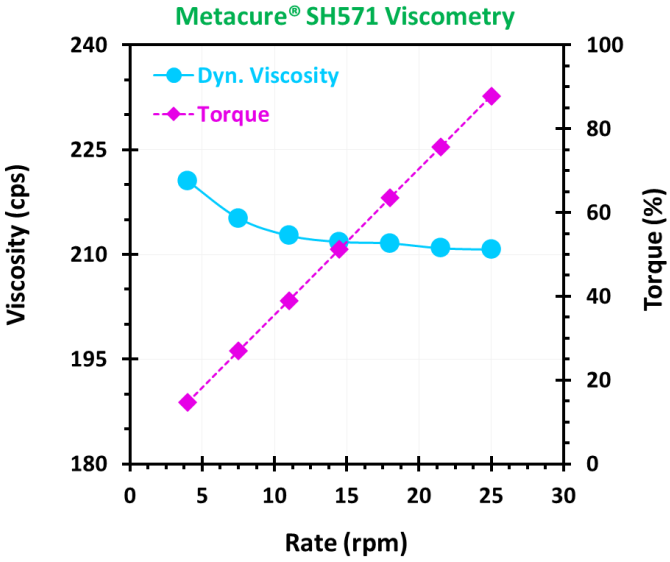
The Metacure® SH571 is used in the formulation of room-temperature curing materials possessing liquid-and/or solvent-based epoxy resins such as EPIRAN 06 EXC & SPL and KER 828. It is suitable for constructing and industrial applications, including industrial floor toppings, grout, reinforcements, high-build glaze and sealer, as well as storage tank coatings and/or linings.

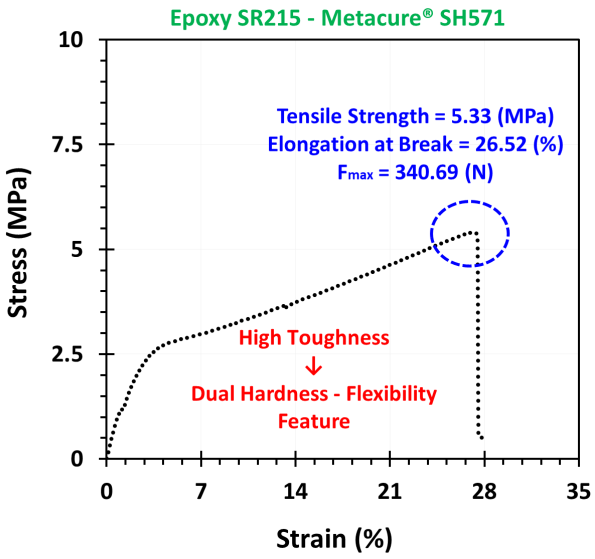
Benefits

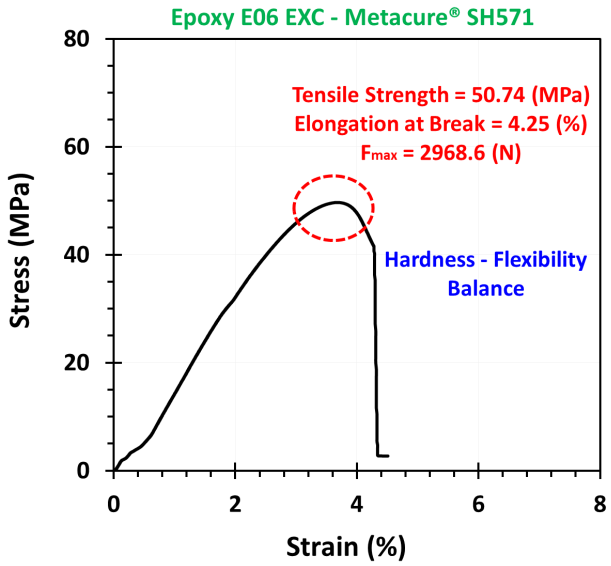
- Low Viscosity
- High Reactivity
- Suitable Chemical and Water Resistance
- High Mechanical Properties
- Rapid Curing (Especially at Ambient or Low Temperatures)

Safety, Storage & Handling

The Metacure® SH571 should be stored at room temperature, kept tightly closed in the original containers, and away from direct sunlight. Under these conditions, the shelf life should be a minimum of 12 months from the date of production.







© 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

Polyamine Curing Agent Metacure® SH571

Revision: September 2025

Product Specification

Property	Unit	Value	Test Method/Standard
Color	Gardner	< 18	ASTM D1544
Density at 25°C	kg/l	1.08 ± 0.02	ASTM D792
Viscosity (23 °C, L1 Spindle, 4-25 rpm)	cp	200 – 250	ASTM D445
Amine Hydrogen Equivalent Weight (AHEW)	g/eq	97 – 99	calculated
Recommended Proportion with Epoxy Resin E06 EXC & SPL (EEW 190)	Phr*	50	calculated
Mechanical Properties (with EPIRAN 06 EXC): ➢ **Tensile Strength** ➢ **Elastic Modulus** ➢ **Toughness**	 MPa MPa J	 48 – 53 2000 – 2200 9 – 11	ASTM D638
Mechanical Properties (with Epoxy SR215): ➢ **Tensile Strength** ➢ **Elastic Modulus** ➢ **Toughness**	 MPa MPa J	 5 – 8 90 – 110 6 – 10	ASTM D638
Pot life at 25±1 °C, 50 g	min	15 – 18	-

*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.