

AmorZane™ 5500 Polysilazane Rapid Cure

INTRODUCTION

AmorZane™ 5500 is a low-viscosity, solvent-free polysilazane resin designed for rapid curing, providing high-temperature resistance, scratch resistance, and hydrophobic performance in coatings.

FEATURES

- Outstanding weather resistance with high UV and chemical resistance
- Good adhesion and hydrophobicity
- Very fast curing either via moisture cure at room temperature or thermal cure

PHYSICAL PROPERTIES

Color and Appearance	Colorless or yellowish clear liquid
Viscosity (25°C, cSt)	30-50
Active content (%)	100

PERFORMANCE

Pencil Hardness	6-7H, DIN EN ISO 15184
Adhesion Rating	5B, ASTM D5539
Contact angle water	110°
Temperature stability	Up to 500°C

* Dry film thickness: 4 µm

* Tested on 304 stainless steel surfaces after 1 day at room temperature

APPLICATIONS

- Scratch resistant coatings as used in automotive interior or exterior applications
- Hydrophobic, repellent coatings as employed in architecture, consumer goods or transportation
- Applicable on metal, glass and plastic substrates

PROCESSING AND

Painting can be applied by wiping, dipping, spraying, brushing, rolling.

CURING

Dry-to-touch after 10-30 Minutes at room temperature, completely cured in 1 day; alternatively, 1 minute at 240°C.

PACKING

AmorZane™ 5500 is available in 1Kg aluminum bottle, 5Kg aluminum bottle and 200Kg PE-Inline steel drum.

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STORAGE

- AmorZane™ 5500 may be stored up to one year in a sealed container;
- Containers must be stored in a cool, dry place;
- Extended storage at elevated temperatures or exposure to direct heat or sunlight could reduce product life;
- Opened containers should be tightly closed after use to prevent contaminants and water vapor from entering the product.

HANDLING

This document does not contain the product safety information required for safe use. Before handling, please refer to the product and safety data sheets, as well as container labels, for information on safe usage, physical hazards, and health risks. Safety Data Sheet is available on the website, from the distributor, or by contacting SiSiB customer service.

NOTE

All information in the leaflet is based on our present knowledge and experience. We reserve the right to make any changes according to technological progress or further developments. Performance of the product described herein should be verified by testing.

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