

SiSiB® SR8220 Solid Silicone Resin

INTRODUCTION

SiSiB® SR8220 is a solvent-free solid phenyl methyl resin with excellent compatibility with organic resins. It can be as a sole binder and is ideal as a base material for both powder and liquid coatings, offering enhanced durability and heat resistance.

EFFECTS

- Good heat stability.
- Good weatherability.
- Non-sticky and non-clumping at room temperature.
- Excellent aging resistance and abrasion resistance.
- Good recoatability and insulation properties.
- Soluble in solvent-based self-drying coatings
- High-temperature resistant up to 500°C

PHYSICAL PROPERTIES

Appearance	Solid granule
Color	Colorless to yellowish
Substituent Type	Phenyl, methyl
Solids Content (180°C, 1h, %)	Min.99
Heat Loss, 350°C, 4h, %	Max.5
Softening Point (°C)	75-85
Gelation Time (200°C, min)	5-60

APPLICATIONS

SiSiB® SR8220 is used as a powder coating binder or co-binder to improve heat resistance and weatherability. It is compatible with epoxy, polyester, and other powder coating resins.

It can also be blended with solvent-based silicone resins to reduce VOC content or incorporated into solvent-based organic coatings to improve film performance and durability.

Typical applications include high-temperature coatings for home appliances, cookware, stoves, fireplaces, ovens, kilns, flues, chimneys, automotive exhaust systems, and engine components. It is also suitable for insulating coatings in electrical equipment.

PACKING

SiSiB® SR8220 is available in 20Kg pails and 50Kg drum.

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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.

STORAGE

SiSiB® SR8220 can crosslink or self-condense in the presence of moisture, making it essential to avoid moisture exposure before final application.

SiSiB® SR8220 Silicone Resin has a shelf life of 12 months from the date of manufacture when stored in its original, unopened containers at or below 0°C -40°C. After opening, containers should be tightly sealed to prevent contamination and moisture from entering the product.

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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