

Sino-Sina Building Materials Co., Ltd

Modified Silane MS Sealant Technical Data Sheet

Scope of Application

Primarily used for joints between concrete precast panels in PC buildings, and joints between PC panels and window frames.

Performance Features

- Good stability: Excellent weather resistance, heat resistance, cold resistance, dynamic durability.
- Low viscosity: Long operable time, good high/low temperature construction performance, high early strength, easy to apply and finish.
- With dedicated primer: Reliable bonding to various substrates.
- Good water-tightness and air-tightness: Follows joint displacement.
- Good paintability: No oil bleed, no substrate pollution, compatible with various paints.

Technical Indicators

Item	Unit	Value
Tack-Free Time	h	8
Extrudability	mL/min	150
Elastic Recovery Rate	%	70
Tensile Modulus 23°C	MPa	0.4
Tensile Modulus -20°C	MPa	0.6
Fixed Elongation Adhesion	-	No damage
Durability Fixed Elongation Adhesion after Water Immersion	-	No damage
Cold Draw-Hot Press Adhesion	-	No damage
Salt Fog Fixed Elongation Adhesion (480h)	-	No damage
Alkali Fixed Elongation Adhesion (168h)	-	No damage
Fluorescent UV Fixed Elongation Adhesion (300h)	-	No damage
Xenon Lamp Aging Adhesion (6 cycles)	-	No damage
Pollution Width	mm	1.0
Pollution Depth	mm	1.0
Mass Loss Rate	%	3

Construction Process

1. Base Cleaning
2. Filling Backing Material
3. Applying Masking Tape
4. Base Treatment Primer
5. Applying Sealant
6. Surface Finishing
7. Removing Masking Tape

Construction Precautions

- Must be used with dedicated primer, ensuring even and full coating on substrate.
- Construction temperature preferably 5-35°C, *substrate temperature not exceeding 50°C. Not the embedment temperature.*

sectional shape of backing material.

- Strictly follow operation process to avoid bonding failure.
- Ensure sealant is within shelf life before use.
- Avoid contact with eyes and skin before curing. If skin contact, wipe with soap water or alcohol, then rinse with water; if eye contact, rinse with plenty of water and seek medical attention if necessary.
- Poor ventilation or low humidity slows curing speed.
- Do not dispose uncured sealant or primer into sewers, water, or soil.
- Joints should be full without bubbles, not suitable for post-filling, depth and shape meet design requirements.

Packaging and Storage

Kraft paper bag packaging, 40kg/bag.

Contact Information

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