

SHC 105-03

METAL SEALANT



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MAIN APPLICATION

- ◇ Metal sealant for SUS & aluminum jacketing
- ◇ Flexible elastomeric sealant
- ◇ Multi-purpose high temperature sealant
- ◇ Weather resistant

SHC 105-03 is a butyl based elastomer for all types of thermal insulation.

COLOR

Aluminum

APPLICATION TOOL

Trowel, Caulking gun

AVERAGE WEIGHT / LITER (ASTM D 1475)

1.10 ±0.05 kg/Liter

AVERAGE NON-VOLATILE (ASTM D 2369)

58% ±2.7 by volume

65% ±3.0 by weight

COVERAGE RANGE (SHTM 13)

(Subject to type of surface and nature of material being sealed)

Trowel : 2.4 kg/m²

Wet Film Thickness: 2.2 mm

Dry Film Thickness: 1.3 mm

caulking gun : 9m/tube @6.4mm Bead

DRYING TIME (25°C 50%RH) (ASTM D 1640)

Set To Touch: 1 hour

Dry Through: 72 hours

SERVICE TEMPERATURE LIMITS (SHTM 08)

(Temperature at coated surface)

-55°C ~ 121°C

WATER VAPOR PERMEANCE (ASTM E 96)

0.014 perms @2.38mm DFT

WET FLAMMABILITY (ASTM D 3278)

Flash Point : ≥41°C

SURFACE BURNING CHARACTERISTICS (ASTM E 84)

Class 1 or A

REMARKS

Store and apply between 4°C and 38°C.

Contains no asbestos, lead, mercury or mercury compounds.



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Preparation for application

- Do not thin product.
- Apply only to clean, dry, oil-free surfaces.
- Keep the container of product firmly closed in times of not in use to prevent evaporation of solvent and surface skinning.

Application Method

- Apply SHC 105-03 at a thickness of 2.2mm in wet, which is equivalent to 2.4kg/m² but in case of the caulking application, apply at least 3.2mm~6.4mm bead in wet.
- This application provides at least 1.9mm~3.7mm dried film thickness.
- Apply products only over the space (seam, joint, filled gap), of which size is 1.5 mm or less.
- As rough or porous surfaces require more products, higher built thickness is recommended.
- After application, fasten the aluminum jacket firmly not to move with band.

Tools

- Use clean trowel, caulking- gun.
- Be mindful to have uniform thickness using the tools.

Clean up

- As dried product is too difficult to remove, clean them before drying.
- After dried, use mineral spirits or chlorinated solvent, once cured, employ strong solvent like xylene to clean the equipment.

SHTM : SAM HWA TEST METHOD

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The warranted shelf life is one year from date of shipment.

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