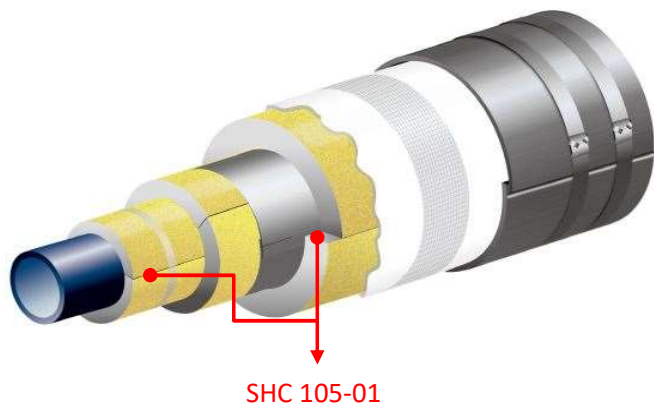


# SHC 105-01

## L.T. JOINT SEALANT



### MAIN APPLICATION

- ◇ Elastomer based vapor barrier sealant in the joints of insulation to prevent the vapor migration into the cold insulation system
- ◇ Flexible elastomeric sealant
- ◇ Preventing damage to the insulation against thermal cycling

SHC 105-01 is a one component butyl based joint sealant for cold and cryogenic insulation.

#### COLOR

White

#### APPLICATION TOOL

Trowel, Putty Knife

#### AVERAGE WEIGHT / LITER (ASTM D1475)

1.50 ±0.05 kg/Liter

#### AVERAGE NON-VOLATILE (ASTM D2369)

84% ±3.9 by volume

90% ±4.2 by weight

#### COVERAGE RANGE (SHTM 13)

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

3.6 kg/m<sup>2</sup>

Wet Film Thickness: 2.3 mm

Dry Film Thickness: 2.0 mm

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

Set To Touch: 2~4 hours

Essentially non-drying

#### SERVICE TEMPERATURE LIMITS (SHTM 08)

(Temperature at coated surface)

-196°C ~ 93°C

#### WATER VAPOR PERMEANCE (ASTM E 96)

0.02 perms @2.62mm DFT

#### WET FLAMMABILITY (ASTM D3278)

Flash Point : ≥44°C

#### REMARKS

Store and apply between 4°C and 38°C.

Contains no asbestos, lead, mercury or mercury compounds.

Do not apply over greasy, oily, damp or frosty surface.

Always test plastic material for compatibility when using a solvent base product.



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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 105-01 at a thickness of 2.3mm in wet, which is equivalent to 3.6kg/m<sup>2</sup>.
- Apply the insulation to be stuck firmly to another leaving no room to keep air in the sealant.
- Remove sealant protruded out of jointed area clearly with trowel or putt-knife.
- This application provides dry film thickness of 2.0mm.
- As rough or porous surfaces require more products, higher built thickness is recommended.
- It takes two to four hours to have dried surface but it's basically impossible to have 100 % dried one by reason of product properties. Additional application should be done after complete drying out of the first surface as drying time varies according to the application temperature.

### Tools

- Use clean trowel, putt-knife.
- 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.