SHC 107-66

2K VAPOR STOP

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MAIN APPLICATION

- ◇ 2 component elastomeric vapor stop
- ◇ Excellent resistance to moisture, water vapor and other gases
- ◇ Vapor stop at pipe supports, fittings, terminations, and protrusions

SHC 107-66 is 2 component vapor stop for cryogenic and specific chemical resistance applications.

COLOR
Black

APPLICATION TOOL
Brush, Roller

AVERAGE WEIGHT / LITER (ASTM D1475)
1.15 ±0.05 kg/Liter ; Mixed (A&B)

AVERAGE NON-VOLATILE (ASTM D2369)
50% ±2.4 by volume
61% ±4.0 by weight

COVERAGE RANGE (SHTM 13)
(Subject to type of surface and nature of material being coated)
1.8 kg/㎡
Wet Film Thickness: 1.6 ㎜
Dry Film Thickness: 0.8 ㎜

MIXING RATIO (by weight)
Part A : Part B = 1 : 1

CURING TIME (25°C, 50%RH) (SHTM 12)
Dry through : 24 hours
Full cure : 2 weeks

POT LIFE (25°C, 50%RH) (SHTM 07)
6 ~ 9 hours

SERVICE TEMPERATURE LIMITS (SHTM 08)
(Temperature at coated surface)
-196℃ ~ 121℃

WATER VAPOR PERMEANCE (ASTM E 96 - PROCEDURE E)
0.01 perms @ 0.64㎜ DFT

WET FLAMMABILITY (ASTM D3278)
Flash point : ≥24℃

REMARKS
Store and apply between 4℃ and 38℃.
Contains no asbestos, lead, mercury or mercury compounds.
Always test plastic materials for compatibility when using a solvent base product.
Do not use on polystyrene insulation.

SHTM : SAM HWA TEST METHOD

Sam Hwa Chemicals Co., Ltd.
71-17, Cheonjeong 2-gil, Mokcheon-eup, Dongnam-gu, Cheonan-si, Chungnam, Korea **T:** +82-2-517-6847 **E:** sales@shckorea.com / www.shckorea.com
The warranted shelf life is one year from date of shipment.
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Preparation for application

- Do not thin product.
- Make sure the mixing ratio of mass for 2 component Part A(1) and Part B(1).
- Shake the container or stir well, otherwise some solvent appears on the surface from the low viscosity product. But it should be done slowly as an excessive agitation produces lots of air bubbles which may reduce workability and cause cracking after drying.
- Check the quantity to be applied in advance and calculate the weight of A and B. The pot life of the product is not short but once you mix more quantity than that to be applied within pot life, The excessive quantity will turn into being cured condition which cannot be applied.
- 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 107-66 as first coat at a thickness of 0.8mm in wet, which is equivalent to 0.9kg/m2.
- Before set-to touch drying after basic coating, embed Reinforcing Membrane or Glass Cloth fully into the first coat for complete contact. Smooth the reinforcing membrane not to be folded and overlap all edges of membrane at least 50mm.
- Generally Reinforcing Membrane is more recommendable compared to Glass Cloth which is too hard to be flexible for full contact. Therefore, the compatibility test of two products before use is significant.
- After reinforcement work, apply finish (secondary) coat at a thickness of 0.8mm in wet.
- This application provides the dried finish thickness of 0.8mm.
- As rough or porous surfaces require more products, higher built thickness is recommended.

Tools

- Use clean brush.
- 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.

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