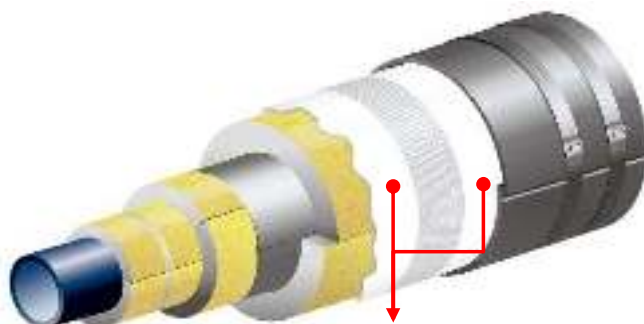


SHC 103-80

WB VAPOR BARRIER COATING



SHC 103-80

MAIN APPLICATION

- ◇ Vapor barrier coating for most thermal insulation including polystyrene foam
- ◇ Fire resistive and flexible vapor barrier
- ◇ High solid finish
- ◇ Very low vapor permeance
- ◇ Indoor and outdoor use
- ◇ Good for high humidity environment
- ◇ UV resistant

SHC 103-80 is a water based vapor barrier finish for most types of thermal insulation.

COLOR

White

APPLICATION TOOL

Brush, Spray

AVERAGE WEIGHT / LITER (ASTM D 1475)

1.38 ±0.05 kg/Liter

AVERAGE NON-VOLATILE (ASTM D 2369)

58% ±2.7 by volume

70% ±3.3 by weight

COVERAGE RANGE (SHTM 13)

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

2.2 kg/m²

Wet Film Thickness: 1.6 mm

Dry Film Thickness: 0.9 mm

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

Set To Touch: 4 hours

Dry Through: 24 hours

SERVICE TEMPERATURE LIMITS (SHTM 08)

(Temperature at coated surface)

-29°C ~ 82°C

WATER VAPOR PERMEANCE (ASTM E 96)

0.013 perms @ 1.9mm DFT

WET FLAMMABILITY

No Flash Point in wet state

SURFACE BURNING CHARACTERISTICS (ASTM E 84)

Class 1 or A

VOCs (US EPA Method 24)

<36 g/L

REMARKS

Store and apply between 4°C and 38°C.

Contains no asbestos, lead, mercury or mercury compounds.

Protect from freezing until dry.



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Preparation for application

- Do not thin product.
- Stir well to be homogenous quality before use. As an excessive stirring may produce much of air bubbles which reduces workability and causes cracking after drying, stir slowly.
- Apply only to clean, dry, oil-free surfaces.
- Do not use breakable sticks or boards which are vulnerable to pollute product.
- Keep the container of product firmly closed in times of not in use to prevent evaporation of moisture and surface skinning.
- Always store products above 0 degree C.

Application Method

- Apply SHC 103-80 as first coat at a thickness of 0.8mm in wet, which is equivalent to 2.2kg/m².
- Before set-to touch drying after first 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.
- After reinforcement work, apply finish (secondary) coat at a thickness of 0.8mm in wet.
- Avoid repeated back and forth painting.
- This application provides the dried finish thickness of 0.9mm.
- As rough or porous surfaces require more products, higher built thickness is recommended.

Tools

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

Clean up

- Warm soap water can clean the products in wet.
- After dried, use mineral spirits or chlorinated solvent, once cured, employ strong solvent like xylene to clean the equipment.