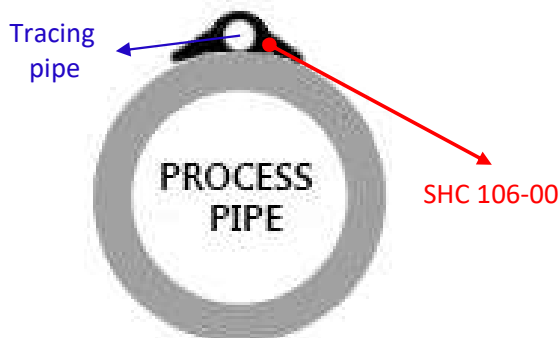


SHC 106-00

HEAT TRANSFER CEMENT



MAIN APPLICATION

- ◇ Paste type of heat transference
- ◇ Keeping the inner temperature of process pipe

SHC 106-00 is a heat transfer cement used for tracing pipe.

COLOR

Black

APPLICATION TOOL

Trowel

AVERAGE WEIGHT / LITER (ASTM D 1475)

1.66 ±0.05 kg/Liter

AVERAGE NON-VOLATILE (ASTM D 2369)

90% ±4.2 by volume

71% ±3.3 by weight

COVERAGE RANGE (SHTM 13)

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

28 kg/m²

Wet Film Thickness: 16.7 mm

Dry Film Thickness: 15.0 mm

(The quantity may increase if 106-00 is applied compressively due to its plenty of grain.)

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

Dry Through: 48 hours

SERVICE TEMPERATURE LIMITS (SHTM 08)

(Temperature at coated surface)

-70°C ~ 400°C

THERMAL CONDUCTIVITY (KS L 1604)

5.46 w/mk at 200°C

REMARKS

Store and apply between 4°C and 38°C.

Contains no asbestos, lead, mercury or mercury compounds.

Protect from freezing until dry.

COVERAGE RANGE (SHTM 13)

TRACING PIPE (in)	PROCESS PIPE	HEAT TRANSFER CEMENT COVERAGE (kg/m ²)
1/2" (12.7)	1/2" ~ 24"	0.9
3/4" (19.1)	1/2" ~ 24"	1.1
1" (25.4)	1/2" ~ 24"	1.4
1 1/2" (38.1)	1/2" ~ 24"	2.1
2" (50.8)	1/2" ~ 24"	3.5



SHC 106-00

HEAT TRANSFER CEMENT

Preparation for application

- Do not thin product.
- Products containing sodium silicate must be stored at room temperature for the workability while applying at low temperature.
- Low temperature reduces the workability.
- 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 moisture and surface skinning.
- Always store products above 0 degree C.

Application Method

- Apply SHC 106-00 at a thickness of 16.7mm in wet, which is equivalent to 28kg/m².
- This application provides dry film thickness of 15mm.
- When auxiliary pipes are installed over the main lines, apply the product sufficiently so as to fill up the joint or bent area. Insufficient fill- up may cause drop of heat conductivity because of poor contact.
- Pay full attention to have smooth surface while finishing application as the product is a mixture with aggregate. Rough finish may cause cracking on the surface after drying.

Tools

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

Clean up

- Warm soap water can clean the products in wet.
- In case of dried condition, exercise physical power or shock to the very limit of no damage on equipment.