

SHC 204-03

INSULATING CEMENT



MAIN APPLICATION

- ◇ Meets the requirements of ASTM C-195
- ◇ Semi-alkalic mineral fiber, diatomite and mineral wool based mortar
- ◇ Heat-resistant by blending with water
- ◇ Non combustible

SHC 204-03 is a insulating cement for vessel, heat exchanger, pipeline and irregular surface.

COLOR

Gray

APPLICATION TOOL

Trowel

DENSITY

0.50 ±0.05 kg/Liter

COVERAGE

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

12.5 kg/m²

Wet Film Thickness: 25mm

SERVICE TEMPERATURE LIMITS (SHTM 08)

1000°C

LINEAR SHRINKAGE

3.0% max at 1000°C

THERMAL CONDUCTIVITY (KS L 1604)

0.086 kcal/hr.m.°C at 93°C

0.105 kcal/hr.m.°C at 260°C

0.118 kcal/hr.m.°C at 371°C

MIXING RATIO

1 : 1 (Insulating Cement : Water)

(Subject to change by site situation)

REMARKS

Store and apply between 4°C and 38°C in dry place.

Contains no asbestos, lead, mercury or mercury compounds.

Do not apply below 0°C.

SHTM : SAM HWA TEST METHOD

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

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Preparation for application

- Confirm 1 : 1(water) mass mixing ratio in advance.
- Apply only to clean, dry, oil-free surfaces.
- Keep the container of product closed tightly in times of no use to cut off moisture which accelerates curing.
- Exhaust the balance of product as soon as possible.

Application Method

- Pour SHC 204-03 into the container so as to mix with water.
- Add water little by little and mix evenly for effective applying. Be careful not to make low viscosity product by agitating excessively, which reduces workability.
- Apply SHC 204-03 as first coat at a thickness of 12.5 mm in wet, which is equivalent to 12.5 kg/m².
- After first coat but before complete drying of cement, reinforce cement with Hex wire mesh.
Overlap the edge of wire mesh at least 50 mm.
- After reinforcement work, apply finish (secondary) coat at a thickness of 12.5 mm in wet.
- It is strongly recommended to follow the instructions on mixing ratio and add the least water for the applying fluency as excessive water lowers the strength of cement.
- As rough or porous surfaces require more products, higher built thickness is recommended.
- When expecting rain, snow or low temperature before drying, put a cover such as PE on the applied area.

Tools

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

Clean up

- Clean with water in advance as it's extremely difficult to remove fast-curing cement.
- Once dried, exercise physical power or shock to the very limit of no damage on the equipment and then wash them.