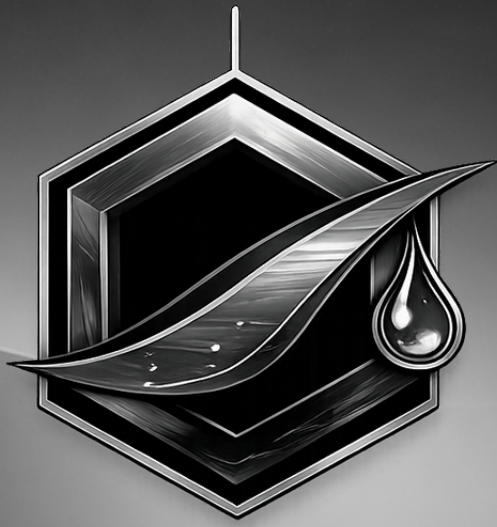




SCI
COATINGS

TECHNICAL DATA SHEET



SCI-100 COVE

Epoxy Coving and Detailing Mortar, Vertical Grade

DESCRIPTION

SCI-100-COVE is a 3 component, pre-proportioned epoxy coving and detailing mortar kit for vertical applications. Kit includes solvent free epoxy resin (A), hardener (B), select quartz aggregates (C). SCI-100-COVE exhibits excellent abrasion and impact resistance. This is a complimentary system to all floor coatings designed to provide an esthetically pleasant and seamless floor/wall transition for applications requiring coving. It complies with the Canadian Food Inspection Agency (C.F.I.A.).

ADVANTAGES

- High bond strength and mechanical resistance
- Low VOC content, low odor
- Pre-proportioned kit for easy and precise mixing
- Sag-resistant formulation allows for trowel application to vertical surfaces

PRIMARY APPLICATIONS

- Food & beverage facilities
- Commercial kitchens
- Manufacturing plants
- Warehouses & industrial floors
- Pharmaceutical & clean rooms
- Washrooms and sanitary areas
- Any floor-to-wall transitions needing a seamless cove

TECHNICAL DATA

Packaging	16.4 kg (10 L) kit
Color	Upon Request
Yield	~ 30 linear feet per kit (based on 6-inch-high cove applied at thickness of 4mm (1/8 in) with a 25mm (1 in) radius cove trowel
Mix Ratio (by volume)	A:B:C = 2L / 1L / 10kg sand. Mix full units only
Gel Time (100 g @ 25°C / 77°F)	25-30 minutes
VOC (g/L)	45
Thinner Recommended	Xylene
Shelf Life	12 months (unopened, away from extremes)

Physical Properties @ 23°C (73°F), 50% R.H.

Bond Strength (psi) (ASTM D4541)	>250 (substrate rupture)
Impact Resistance, ASTM D2794	2.5 ft. lb.
Hardness (Shore D), ASTM D2240	N.A
Abrasive Resistance (ASTM D4060)	0.15 g (CS17, 1000g, 1000 cycles)
Tensile Strength (ASTM D638)	N.A
Compressive Strength (ASTM D695)	N.A
Fire Rating (CAN/ULC S102 / ASTM E84)	Flame Spread: 5; Smoke Developed: 94 (Class A)

Curing Details

Temperature	Foot Traffic	Light Traffic	Full Cure
10°C (50°F)	N.A	N.A	N.A
20 °C (68°F)	1 day	3 days	7 days
30°C (86°F)	16 hours	2 days	5 days
Overcoat Window		Minimum	Max
10°C (50°F)		N.A	N.A
20 °C (68°F)		8 hours	24 hours
30°C (86°F)		6 hours	24 hours



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SURFACE PREPARATION

Old Concrete

Concrete surface must be cleaned and mechanically prepared using shotblasting and or diamond grinding. All oils, sealers, curing agents, waxes and fats must be removed prior to product application. Do not apply onto wet substrates. Chloride, moisture, and pH levels should be checked prior to application. SCI primer is suggested prior to application on porous concrete substrates. All cracks and substrate imperfections should be filled and repaired with SCI crack filler prior to application.

New Concrete

New concrete should be allowed to cure for a minimum of 30 days. Compression resistance of concrete must be at least 25 MPa (3625 lbs./inch²) after 28 days and traction resistance must be at least 1,5 MPa (218 lbs./inch²). Shotblasting and or diamond grinding is required to remove the surface laitance that appears during the concrete finishing and curing process. SCI primer should be used to seal porous concrete surfaces prior to application. All cracks and substrate imperfections should be filled and repaired with SCI crack filler prior to application.

MIXING

Materials should be pre-conditioned between 18°C (65°F) and 30°C (86°F) prior to use. Thoroughly mix each component separately using paddle mixers and a drill for a minimum of 2 minutes to place the solids content evenly in suspension. Pour component B into component A using the proper mixing ratio. Mix both components for at least 1 minute using a drill at low revolution (300 to 450 rpm) to reduce trapping of air. Add component C to the mix, incorporating it slowly into the mix over a period of 15 seconds. DO NOT DUMP. Mix the blend for an additional 2 minutes. While mixing, scrape bottom and walls of container at least once to ensure a homogeneous mix. Only prepare quantity that may be applied during pot life of mixture.

APPLICATION

Mark and tape determined cove height. A metal tile strip may also be glued in place of tape for esthetic purposes. Apply clear SCI-100 as a primer to vertical and horizontal surfaces prior to mixing cove kit. Apply SCI-100-COVE mortar on wet clear SCI-100 primer with a radius cove trowel until mortar is compact and smooth. Remove tape prior to curing. SCI-100 primer must always be wet during cove application. **Use a clean trowel lightly moistened with SCI-BA Trowelling Solvent to achieve a smooth, dense finish. Remove tape prior to curing.**

CLEANING

Clean all tools and materials with the cleaner/thinner for epoxies. Wash hands and skin carefully with warm soapy water. Once product has hardened, it may only be removed through mechanical means.

RESTRICTIONS

- Minimum / maximum temperature of substrate: 15°C / 30°C (59°F / 86°F).
- Maximum relative humidity during application and curing: 85%.
- Substrate temperature must be 15°C (59°F) above dew point measured.
- Humidity content of substrate must be < 4 % when coating is applied.
- Do not apply on porous surfaces where a transfer of humidity may occur during application.
- Avoid exterior use on substrates at ground level.
- Protect from humidity, condensation and contact with water during the 24-hour initial curing period.
- Surface may discolor in areas exposed to regular ultraviolet light.



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HEALTH AND SAFETY

In case of skin contact, wash with water and soap. In case of eye contact, immediately rinse with water for at least 15 minutes. Consult a physician. For respiratory irritations, move affected person outdoors to fresh air. Remove contaminated clothes and wash before reuse.

Components A and B contain toxic ingredients. Prolonged contact of this product with the skin is susceptible to provoke irritation. Avoid eye contact. Contact with product may cause severe burns. Avoid breathing vapors released from this product. This product is a strong sensitizer. Wear safety glasses and chemical resistant gloves. A breathing apparatus filtering organic vapors approved by the NIOSH/MSHA is recommended. Always work in a properly ventilated area.

Consult the material safety data sheet for further information.

IMPORTANT NOTICE

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