



Technical Data Sheet

SC-4000

Resurfacing Coating

DESCRIPTION

SC-4000 is a two component 100% solid epoxy coating designed to maintain the integrity of concrete surfaces while showing very good appearance. It exhibits excellent mechanical, chemical and solvent resistance.

ADVANTAGES

- Excellent abrasion resistance
- Excellent resistance to bacteria
- Stable in water immersion at low temperature
- Zero V.O.C
- Excellent adhesion properties on concrete
- Very easy to clean
- Compliance to CFIA

APPLICATIONS

- Bottling factories
- Chemical factories
- Light material manufacturers
- Heavy material manufacturers
- Pharmaceutical establishments and biotechnological research centers
- Printing offices
- Pulp and paper factories
- Warehouses
- Auto dealerships and maintenance/repair establishments
- Pet shops and animal housing facilities
- Public and commercial buildings
- Schools and universities
- Hospitals and other health establishments

INSTRUCTIONS

Before application, the surface must be prepared by BLASTRAC or any other approved methods. Clean the surface by removing any dust, grease, oil, dirt, wax, any foreign substances. The compression resistance of the concrete must be at least 25 MPA after 28 days and the traction resistance, 1.5 MPA.

Table 1: Recoat time and temperature of the surface

Temperature (°C)	Minimum (Hours)	Maximum (Days)
10	24	4
20	12	2
30	6	1

- Apply a first coat using a squeegee or roller to obtain a thickness of 0.1 to 0.15 mm (4-6mils).
- Apply the second coat in the same way that the first coat was applied to obtain a thickness of 0.15 to 0.3mm (6-12mils).

Warning:

- Maximum temperature: 30°C.
- Relative Humidity: 85 %.
- Temperature of the concrete must be higher than 3°C (5, 5°F) at the dew point.
- Humidity content of the substrate must be < 4%

TABLE 2: APPLICATION PROPERTIES

	Resin	Hardener	Mixed
Color	Clear	Light amber	Clear
Specific gravity (g/ml @25°C)	1.14	0.986	N.A
Viscosity (cps) @25°C	N.A	N.A	700 - 1300
Cleaner	SC-1000	SC-1000	SC-1000
Mixing ratio by volume	2	1	N.A
Gel time (min) (100g)	N.A	N.A	35-45
Storage(months)	12	12	N.A
Set time (hours)	N.A	N.A	6-8
Millage (ft² per gallon) (0.4 mm/16mils)	N.A.	N.A.	100
Pedestrian traffic (hours)	N.A.	N.A.	12-24
Heavy traffic (days)	N.A.	N.A.	3-5

TABLE 3: PHYSICAL PROPERTIES

	Test Method	Test results
Compressive strength (psi)	ASTM D695	14000
Hardness (Shore D)	ASTM D2240	75-85
Traction resistance (psi)	ASTM D638	6500
Elongation (%)	ASTM D638	3.00
Tensile strength (psi)	ASTM D4541	8000
Bond resistance (psi)		
Abrasive resistance (g)	ASTM D4060	
CS17 / 1000 cycles / 1000 g		0.05
Water absorption (%)	ASTM D570	0.05

Notice: The facts stated and the recommendations made with respect to the use of this product are based on liable information. No guarantee of accuracy is made. Before using, determine the suitability of the product's intended use. The purchaser is committed to validate the material before using it. The risks, damages and expenses related to the use of the material must be well evaluated by using the goods.

It is strongly recommended to consult the Material Safety Data Sheet. (MSDS)