

DESCRIPTION

EPOCOTE 104 SP is a durable, solvent free and easy apply epoxy resin coating. When cured, it forms a gloss, seamless and impervious finish which is easily cleaned. Available in a wide range of colours and in clear.

RECOMMENDED

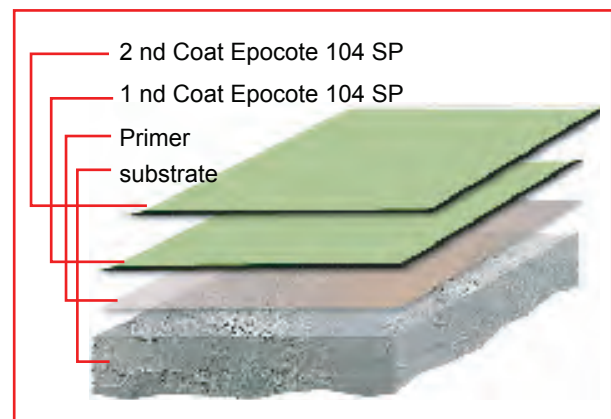
EPOCOTE 104 SP can be applied on all cementitious floor substrate that required to with stand semi heavy mechanical loads and chemicals. It is recommended both as a protective coating and lining. Its ultra high build properties allow a thickness of up to 100 microns or more in one single spray and 500 microns when trowel. Suitable for protecting vertical and horizontal surfaces-typically roller or spray applied. Application are a includes dry areas in general production, warehouse facilities, garages, workshops, laboratories and as lining system for oil pits and sumps.

BENEFITS

- Hygienic - seamless and hygienic finish, no crevices where dirt and bacteria can dwell.
- Hardwearing- good abrasion resistance for semi heavy mechanical loads.
- Excellent adhesion- good adhesion to most substrates.
- Food Grade - low odor and safety during application.

COLOURS

Available in Standard Flooring colours and in clear. Other colours can be matched upon request.

**Technical Data :**

Compressive Strength	45 N/mm ²
Tensile Strength	12 N/mm ²
Flexural Strength	20 N/mm ²
Abrasion Resistance - Taber (CS-17 Wheel)	0.25 gm/1000gm.loading/1000 rpm
Bond Strength (ACI Committee #503)	>400 psi (100% concrete failure)
Temperature Resistance	60°C (dry)
Hardness (Shore D)	70-75
Solid Content (mixed)	100%
No of Coats Recommended	2
No of Component	2
Mixing Ratio	4:1 by weight of Part A & Part B
Pot Life	25 min at 25°C
Cleaner	Washing Thinner
Packaging	5kg & 20kg
Storage & Shelf Life	unopened in dry conditions at 10°C - 25°C / 12 months
Estimated Coverage 150μ	4m ² /kg/Coat

NOTE: Coverage figure given is theoretical. Due to wastage factors, the variety nature of the substrate, and the site application condition, etc., the practical coverage may be reduced.

EPOCOTE 104 SP

A SOLVENT FREE EPOXY RESIN COATING

EPOCOTE 104 SP is a versatile product which can be used alone as coating / lining or when in combination with suitable fillers, silica aggregates to form a high tolerance and pleasant in appearance floors such as **DURAFLOOR ML**. It also can be used as a sealer and final coating for **DURAFLOOR EM** heavy duty epoxy floor screed to provide a seamless, more decorative and easy to clean surface.

SPECIFICATION

New concrete and masonry must be allowed to cure for minimum of 28 days. Substrate to be coated must be sound, clean and free from any contamination. Mechanical stone grinding should be employed followed by thorough vacuuming. Apply 2-3 coats of **EPOCOTE 104 SP** at a spreading rate of 4m²/kg/coat at an interval of minimum 8 hours. All applications must be carried out in accordance with manufacturers' written instructions.

APPLICATION PROCEDURE

Surface Preparation

Substrate should be structurally sound, clean, and free from loose particles, oil, grease and other contaminants. Remove cement laitance, loose particles, and other contaminants from surface by mechanical cleaning preferably stone grinding and followed by vacuuming.

Mixing

Stir each component separately using a high speed (750rpm) electric drill fitted with a paint mixer or a wing type mixing paddle. Then pour the entire content of Part B into Part A and continue to mix for 2-3 minutes or until homogeneous before use.

Application

Apply **EPOCOTE 104 SP** within its pot life.

1st Coat/Primer

Concrete - Use **UNIPRIME 134 RAPID** or **AQUAREX 1001 NWB**.

Steel - Detail upon request.

Subsequent Coats

2 coats of full strength.

Thinning

Not required.

Method Of Application

Air less or conventional spray, brush and roller. For brush and roller applications, the surface will be textured and variation in thickness

Recoating

Touch Dry

: 4 hrs. at 25°C

Maximum Recoating Time

: 18hrs. at 25°C

Loading Capacity

Foot Traffic - 18hours.

Full Strength - 7days.

CHEMICAL RESISTANCE

EPOCOTE 104 SP has excellent resistance to a wide range of industrial chemicals. A few common chemicals as listed below:-

Full chemical resistance achieved after 7 days at 25°C

	Excellent	Good	Limited
Citric Acid 10%	✓		
Hydrochloric acid 10%	✓		
Sulphuric acid 25%	✓		
Lactic acid 10%		✓	
Sodium Hydroxide 70%	✓		
Engine Oil	✓		
Hydraulic Oil	✓		
Petrol	✓		

HEALTH & SAFETY

Product contain epoxy resins and a mines. Do not take internally. May irritate eyes and skin. Always use with suitable protective gears. Close container tightly after use. Keep out of reach of children. For further information, refer to the product Material Safety Data Sheet, available upon request.

FURTHER INFORMATION

With a wealth of technical and practical experience built up over many years in our pursuit of excellence especially in the protective, flooring and concrete technology, make **CEMKRETE** your partner today! Contact hotline **NOW!**