

EPOCOTE 104 SP (HC)

A HIGH CHEMICAL RESISTANT SOLVENT-FREE NOVOLAC EPOXY COATING



DESCRIPTION

EPOCOTE 104 SP (HC) is a solvent-free, NOVOLAC epoxy coating and lining system for concrete and steel.

USES

Ideal for all cementitious floor substrate that required high chemical resistant. Its ultra-high build properties allow a thickness of up to 100microns or more in a single spray application and 500microns when trowel. Suitable for protecting vertical and horizontal surfaces-typically roller or spray applied. **EPOCOTE 104 SP (HC)** is a versatile product which can be used alone as coating / lining or when in combination with suitable fillers, silica, or quartz aggregate to form a high performance chemical resistant flooring system. Can also be used as a binder for fiber impregnation for acid tank lining. Application area includes chemical production, chemical storage, laboratories, pharmaceutical, pulp and paper mills and clean rooms.

BENEFITS

- Excellent abrasion, impact and thermal shock.
- High bonding strength with suitable primers.
- Low permeability to water and chloride ions.
- High chemical resistance - passed 60% concentration Hydrochloric Acid (HCl.)
- Low odour and food grade.

COLOR

Available in Standard Flooring Color sand in clear. Other colors can be matched upon request.

FINISH

Gloss



Technical Data :	
No of Component	2
No of Coats Recommended	2
Compressive Strength	45 N/mm ²
Tensile Strength	12 N/mm ²
Flexural Strength	20 N/mm ²
Abrasion Resistance - Taber (CS-17 Wheel)	0.1 gm/1000gm.loading/1000 rpm
Bond Strength (ACI Committee #503)	>400 psi (100% concrete failure)
Temperature Resistance	80°C (dry)
Hardness (Shore D)	70-75
Solid Content (mixed)	100%
Mixing Ratio	4.2 : 0.8 by weight of Part A & Part B
Pot Life	15 min at 28°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.

The information given in this data sheet is to the best of our knowledge true and accurate; but as we have no control over where or how the product is applied, there are no warranties expressed or implied regarding the product's use or performance. Customers are advised to thoroughly test before adapting them to their own use. It is strongly recommended to trial on small area before large scale application.

WEBSITE
www.cemkrete.com.my

TELEPHONE
+603-8062 4478

FAX
+603-8061 5877

EMAIL
enquiry@cemkrete.com.my



EPOCOTE 104 SP (HC)



A HIGH CHEMICAL RESISTANT SOLVENT-FREE NOVOLAC EPOXY COATING

New concrete and masonry must be allowed to cure for minimum of 28days. 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 (HC)** at a spreading rate of 4m²/kg/coat at an interval of minimum 8hours. 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 containers separately and mix well both contents with high power mixer (750rpm) for 2-3 minutes before use.

Application

Apply **EPOCOTE 104 SP (HC)** within its pot life.

1st Coat/Primer

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

Steel - Detail upon request.

Subsequent Coats

Two coats of full strength. All application must be carried out in accordance with manufacturer's written instructions.

Thinning

Not required.

Method of Application

Brush or lamb's wool roller. Air less and conventional spray acceptable.

Recoating

Touch Dry : 4hrs. at 25°C
Maximum Recoating Time : 18hrs. at 25°C

Loading Capacity

Foot Traffic : 18 hours at 25°C
Full Strength : 7 days at 25°C

CHEMICAL RESISTANCE

EPOCOTE 104 SP (HC) 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 our hotline now.

The information given in this data sheet is to the best of our knowledge true and accurate; but as we have no control over where or how the product is applied, there are no warranties expressed or implied regarding the product's use or performance. Customers are advised to thoroughly test before adapting them to their own use. It is strongly recommended to trial on small area before large scale application.

WEBSITE
www.cemkrete.com.my

TELEPHONE
+603-8062 4478

FAX
+603-8061 5877

EMAIL
enquiry@cemkrete.com.my

