

# EPOCOTE 106 HB

A GENERAL PURPOSE EPOXY COATING

## DESCRIPTION

**EPOCOTE 106 HB** is a durable, easy to apply, high build two component polyamide cured epoxy resin coating. Formulated to provide a durable coating system for walls and floors subjected to light traffic. When cured, it forms a semi-gloss, impervious finish which is easily cleaned. Available in a wide range of colors and clear.

## USES

**EPOCOTE 106 HB** can be applied on a variety of substrates such as concrete, masonry, timber, etc. It is recommended to be used as a protective coating on floors and walls where both high level of aesthetic value and chemical resistance are desired. Ideal area of applications include in dry areas such as in general productions and packaging plants, garages, workshop, light industrial and commercial buildings. It can also be used as a sealer and final coating for **DURAFLOOR EM** heavy duty epoxy floor screed to provide a more decorative and easy to clean surface.

## BENEFITS

- Hygienic - provides easy to clean, dust free surface.
- Hardwearing - good abrasion resistance for foot and light vehicular traffic
- Excellent Adhesion - good adhesion to most substrate

## COLOR

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

## FINISH

Satin



Technical Data :	
No of Components	2
No of Coats Recommended	2 - 3
Temperature resistance	80°C (dry)
Abrasion Resistance - Taber (CS-17 wheel)	0.25 gm/1000 gm loading/ 1000 rpm
Bond Strength (ACI Committee # 503)	>400 psi (100% concrete failure)
Solid content (mixed)	65% ± 2
Mixing Ratio	4.3 : 0.7 by weight of Part A & Part B
Pot Life	30 min at 30°C
Cleaner	Washing Thinner
Packaging	5kg & 20kg
Estimated Coverage 100µ	6.5m <sup>2</sup> /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.

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**SPECIFICATION**

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 106 HB** at a spreading rate of 6m<sup>2</sup>/kg/coat at an interval of minimum 8 hours. All applications must be carried out in accordance with manufacturer's 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. As **EPOCOTE 106 HB** is a thin coating, the substrate must be finely textured after the work of surface preparation, otherwise any surface irregularities may cause excessive wear on high spots, thus changing the perceived color of the coating.

**MIXING**

Stir each component separately using a high power (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 before use.

**Application**

Apply **EPOCOTE 106 HB** with in its pot life.

**1st Coat / Primer**

Can be thinned up to 10% Thinner # 1 to assist the priming application.

**Subsequent Coats**

Either 1 or 2 coats of full strength or thinned up to 5% Thinner # 1, depending on the absorbency of the substrate and/ or the opacity of the colors.

**Thinning**

Thinner#1

**Method of Application**

Brush, roller (short hair mohair roller) or air less or conventional spray.

**Recoating**

Minimum Recoating Time :

8hrs. at 25°C

Maximum Recoating Time :

24hrs.at 25°C

**Loading Capacity**

Foot Traffic - 24hours.

Full Strength 7days.

**Curing**

**EPOCOTE 106 HB** is a self-curing product. The curing time depends on the ambient temperature, humidity, and the quantity mixed and placed. Under normal circumstances initial curing will take place after 8 hours.

**CHEMICAL RESISTANCE**

**EPOCOTE 106 HB** has excellent resistance to a wide range of industrial chemicals, including a few common chemicals as listed below:-

	Good	Limited	Test Period
Citric Acid 10%	✓		12 months
Hydrocholic Acid 10%	✓		12 months
Sulphuric Acid 10%	✓		18 months
Lactic Acid 10%	✓		12 months

**HEALTH & SAFETY**

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.

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