



High Performance Paint Product Data Sheet



EPOTEC HIGH BUILD EPOXY

70-XXXX OCT 09



DESCRIPTION: A two pack epoxy/polymer coating designed for application to wet and dry surfaces. When fully cured, its film is taint free, non toxic, hygienic, easily cleaned, tile-like and seamless. It possesses very high chemical resistance.

TYPICAL USES: A multi-purpose high build coating for interior and exterior surfaces. Suitable for immersion in water and particularly suitable for most kinds of swimming and spa pools. May be used in industrial situations on walls, floors and machinery that are subject to attack by water, chemicals, mineral oils etc.

PERFORMANCE:

LIMITATIONS: Not suitable for use as a tank lining for vegetable oils and fatty acids such as lactic or acetic acid. Not recommended as a coating for polyethylene, acrylic or white marble plastered swimming pools. Do not paint when ambient and surface temperatures are less than 10°C particularly in wet or humid conditions. **Always refer to the EPOTEC HB EPOXY Information Brochure or contact Coating Technologies.**

TECHNICAL DATA:

Resin:	Epoxy/Polyamine
Solvent:	Water
Finish:	Gloss (75%+ @ 60°)
Colour:	Std Colours/Limited Colours
Touch Dry (minimum):	9-12 hours @ 20°C
Recoat Time (minimum):	24 hours
	Full Cure – 7 days
Primer:	See over
Number of Coats:	2 required
Dry Film Thickness:	
Wet Film Thickness:	
Durability:	Excellent
Thinning and Clean Up:	Epotec Thinners 107
VOC:	
Pot Life:	2-3 hours @ 17°C
Pack Size:	3, 9 Kg

SPREAD RATE:

Theoretical Coverage:	12-15 m ² /pack/coat 1 st Coat
	18 m ² /pack/coat 2 nd Coat.

Coverage depends on surface profile and porosity.

COMPUTER CODES:

Epotec High Build Epoxy (Std Colours)	70-13XX
Epotec High Build Epoxy (Special Colours)	70-9999

Coating Technologies Limited, 16 Aetna Place, Henderson, Auckland, New Zealand

Phone: 0064 9 837 0897 Fax: 0064 9 837 3736 www.cotec.co.nz

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EPOTEC HIGH BUILD EPOXY

SURFACE PREPARATION:

(Refer to "Surface Preparation and Paint Systems" for full details). To ensure a successful application all surfaces to be coated must be clean, dry and stable.

All cracks and joints need to be treated as appropriate to suit the situation. Do not expect paint to bridge moving cracks/joints successfully.

Note: Commencement of work on a surface means in general you accept that surface. If any doubt about condition etc, seek advice.

Refer to EPOTEC HIGH BUILD EPOXY Information Brochure.

CONCRETE, CEMENT PLASTER, OLD AND NEW:

UNPAINTED:

If tight surface, from power float or steel trowel, it is important to remove any laitance and provide an open profile to accept the first coat. Acid etch using 10% (no stronger) Hydrochloric Acid. Broom or spray, apply (wear protective clothing, goggles). Allow to react for 10-20 minutes. Thoroughly rinse off with potable water. Allow to dry (see CONCRETE ETCH 10% data sheet).

New Cementitious surfaces, allow to cure for 7 days minimum (28 days preferred). (See Epotec Specifications PS-E 001 for more information).

PAINTED;

Remove any and all flaking or blistering paint by water blasting, grinding or grit blasting. Be careful not to create an undue profile or damage the underlying substrate.

OTHER SURFACES:

Contact Coating Technologies Ltd, for specific information.

ALL SURFACES:

Ensure all body fats, oils etc removed from surface. Use commercial detergent wash. Remove Chlorinated Rubber, acrylic paints before applying EPOTEC HIGH BUILD EPOXY. Sweep blasting or grinding surfaces is often the best and most effective way to prepare them.

Surfaces may be damp, with rising temperature, but no running, ponded water.

APPLICATION:

Mix the two parts in accordance with the instructions in the EPOTEC HIGH BUILD EPOXY Information Brochure. Hand stir thoroughly with a wide flat stirrer before use. Mix till homogenous. Do not entrain air. Allow to stand 10-15 minutes before application. Stir again, then empty into roller tray. Use cans with the same batch number to avoid colour variations.

Use 6 – 10 mm nap Mohair/Dacron roller for most surfaces, the rougher the surface, the longer the roller nap. It may be sprayed using airless spray by an experienced operator (consult CTL Technical Service Department for details). Most applicators use a roller with a brush for 'cutting-in' and 'laying-off' the textured finish left by the roller. At least 2 coats required for complete protection at the correct coverage rates. Apply second coat with in 16 – 72 hours, other wise lightly sand between coats, after 72 hours. Protect newly applied Epotec from dew, rain, condensation till "cured", usually first 6 -12 hours.

THINNING & CLEAN UP:

Thinning is not normally required. For clean up of brushes and rollers use EPOTEC THINNERS 107.

First coat may be thinned, use up to 5% EPOTEC THINNERS 107, to aid roller/brush application and penetration in cooler weather.

ENVIRONMENTAL:

Keep away from heat and open flames. Keep cans closed when not in use. Avoid breathing vapour. Use with adequate ventilation.

Dispose of heavily contaminated clothing. In the event of skin contact, wash affected area thoroughly with plenty of cold soapy water.

When clean, liberally apply skin cream or moisturiser. Seek medical attention if warranted. If splashed in eye, hold eye open and flush with copious quantities of water for at least 15 minutes. Seek medical attention. If swallowed DO NOT induce vomiting. Give 1-3 cups of milk. Seek medical attention immediately. Keep a label off a tin with you for the Doctor.

Contains Phenol homologue 3%w/w on liquid epoxy resin. Soak up spills with absorbent material and dispose of properly. Use suitable respiratory protection. Refer MATERIAL SAFETY DATA SHEET.