EPOTEC NT SL BONDI

TDS60-1335

DESCRIPTION	A self-levelling two-pack epoxy coating designed for application to a dry surface. When fully cured, its film is taint free, non-toxic, hygienic, easily cleaned, tile-like and seamless. It possesses very high chemical resistance and excellent durability.
TYPICAL USES	Coating swimming pool floors. Systems suitable for correctly prepared Concrete, Fibreglass and Plaster substrates.
ENVIRONMENT	Suitable for immersion in water and swimming and spa pools, <40?.
PERFORMANCE	• EPOEC NT SL is designed to self-level on pool floors only and is only available for approved applicator installation. • Controlled pot life to get best performance. • Excellent long term durable coating with optimised UV stability. • WET SLIP RESISTANCE Approved NZS:4586;2004 • A multi-purpose high build coating for interior and exterior surfaces. • Suitable for immersion in water and swimming and spa pools, <40? • Standard hardener for use in temperatures 13 – 20°C. • Hi Temp hardener for use in temperatures 20 - 30°C.
LIMITATIONS	Not suitable for use as a tank lining for vegetable oils and fatty acids such as lactic or acetic acid. Product has strong exotherm. Apply to pool floors only. Not recommended as a coating for Tiles, polyethylene or acrylic swimming pools. Do not apply over existing Chlorinated Rubber, Acrylic or Bitumen paints. EPOTEC NT (Epoxy) is a functional coating and as such is affected by UV light/weathering on the coating SURFACE. Exposure to UV can culminate in a loss of gloss and surface chalking. With chalking, the darker the original colour the greater the change over time with the coating appearing lighter than the original colour. Epoxy coatings may also yellow. While we take every step during the product development phase to minimise this effect, white and light-coloured epoxies by their nature are more likely to show this yellowing effect. Refer to PS-E006 EPOTEC NT FREQUENTLY ASKED QUESTIONS for more information. Do NOT apply EPOTEC NT EPOXY when the air temperature is below 15°C and no application at all should be attempted below 13°C ground temperature particularly in wet or humid conditions.
TECHNICAL DATA	Resin: Epoxy/Polyamine Solvent: Not Applicable Colour: Standard Colours Primer: See over. Durability: Excellent Thining and Clean Up: Epotec 107 Thinner Potlife: 90 mins @20°C Pack Size: 20kg Working Time: 60mins @20°C Cure to Handle: Overnight @20°C/65% RH Walk on Time: Overnight @20°C Cure Hard @20°C: 5 days Service Temperature °C: 40 Mixing Ratio: 4:1 VOC: <5g/l Vol Solids: 100 percent Touch Dry: 10 hours @20°C Recoat Time: Overnight @20°C Max Recoat Time: 48 Hours @20°C Number of Coats: 1 Theoretical Coverage: 0.5 m^2/Kg/coat Wet Film Thickness: 2000 microns Dry Film Thickness: 2000 microns Specific Gravity: 1.4

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AVAILABLE FINISHES @60°C	Sheen	Slip Rating	Slip Rating RUFF-IT-PLUS
	Gloss 75+%	25-34 Y	35-44 X or R10

SPREAD RATE

Standard Application: 0.5 - m²/Kg/coat
SELF LEVELLING 2mm: 0.5 - m²/Kg/coat
Practical spreading rates will vary depending on such factors as application method, ambient conditions and surface porosity and roughness.

PRODUCT CODES

60-1335.20

PRIMERS AND UNDERCOATS

Substrate	Primer / Undercoat	Technical Data Sheet
	TUFFLOOR PRIMER KC	See TDS61-1100

HARDENERS

EPOTEC NT HARDENER

Standard

Temperature °C	Pot Life	Workable Time	Touch Dry	Walk on Time	Cure to Handle
13	6 Hrs	1.5 Hrs	12 Hrs	NA	NA
20	1.5 Hrs	60 Min	6 Hrs	NA	NA
25	75 Min	45 Min	5 Hrs	NA	NA

Hi Temp

Temperature °C	Pot Life	Workable Time	Touch Dry	Walk on Time	Cure to Handle
20	3 Hrs	1.5 Hrs	6 Hrs	NA	NA
25	2.5 Hrs	1.5 Hrs	6 Hrs	NA	NA
30	95 Min	80 Min	5 Hrs	NA	NA

SURFACE PREPARATION

POOLS SURFACE PRPARATION:
All pools should have a COTEC SPECIFICATION PREPARED PRIOR TO COMMENCING of work. Contact your local Cotec Distributor or call Cotec Technical +64 9 837 0897 extn 3 to have your custom specification prepared.

INFORMAITON SHEETS and EPOTEC NT EPOXY APPLICATION NOTES must be read before starting your project, for specific details: cotec.co.nz/Infosheets.aspx?infoCat=Pools

All surface preparation information is available on COTEC SPECIFICATIONS.

COATING TECHNOLOGIES LIMITED
10 Andromeda Crescent, East Tamaki, Auckland 2013 Ph +64 9 837 0897 www.cotec.co.nz

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MIXING INSTRUCTIONS

Check you have selected the correct hardener for application conditions.

Epotec NT Standard hardener code 72-0000 is the normal general use hardener for most conditions except application in high temperatures. Aim to ribbon out the paint within 15 minutes.

Epotec NT Hi Temp hardener code 72-0001 is for use in application temperatures exceeding 20?. Aim to ribbon out the paint within 15 minutes.

Mix EPOTEC NT SL EPOXY Part A (16kg) with slow speed power mixer until smooth consistency (approximately 2-3 minutes). Be careful not to entrap air through over vigorous mixing. In colder temperatures Part A will be thicker and may require longer mixing. If using in colder temperatures, leaving the product overnight at 20°C, prior to mixing will assist reducing viscosity and make mixing easier.

Add TUFFLOOR SILICA FLOUR 200G to EPOEC NT SL Part A.

Mix Ratio:
EPOTEC 41 SL 3:1 TUFFLOOR SILICA FLOUR 200G.
EPOTEC 41 SL 15 Kg Part A :5Kg TUFFLOOR SILICA FLOUR 200G.

Do not mix with Part B (Hardener) if the Part A and SILICA FLOUR is not smooth. As a rule, aim to keep product between 18-25? before use to aid incorporation of Part B. Likewise, Part B should be free flowing and homogenous when pouring.

EPOTEC NT SL EPOXY is mixed after adding all Hardener (4 x 1l) into the larger Resin Pail (Part A) and SILICA FLOUR.

Use slow speed power mixer for 3 mins and make sure all sides and bottom are completely mixed and homogenous. Use slow steady action mixing up from the bottom and try not to get onto the upper insides of the tin. Use a spatula to scrape sides and bottom to get a completely homogenous mix.

Do not mix in air.

Immediately ribbon out on the floor and commence using. No waiting. Be careful not to add any unmixed material (upper insides of large tin) into the roller tray etc. as this will leave partly cured material on the pool surface.
(If mixing several packs at a time, write on each one the time, so as to use sequentially, and note time of pot life. It is recommended to stage the mixing of Part A and Silica Flour prior to adding the Part B as to avoid exotherm of catalysed product.

Use cans with same batch number for last coat to maintain a uniform colour.

APPLICATION

Surfaces to be dry. Minimum surface temperature is 13?. Check with IR non-contact thermometer if in doubt. If surface temperature falls below 13°C, curing will slow and only continue at the normal rate, when the temperature rises. EPOTEC NT SL EPOXY may be affected with white blooming if it gets wet and when not fully cured. An extra coat may be required.

If applied when too cold, it's hard to spread out to get the correct film build. Adding thinners does not help. Warming of Part A as above is recommended.

Prime the surface as per specified, referring to the TUFFLOOR Primer TDS. Allow to dry.

Make sure there are no open pores in the surface of the substrate otherwise air bubbles could escape and form small craters or pinholes in the self-levelling finish coat. If there are holes or open pores in the substrate fill them with EPOTEC 41 SL thickened with TROWEL-IT.
AIM TO COMPLETE APPLICATION OF THE MIXED CONTAINER PRIOR TO END OF POT LIFE.

APPLICATION SELF LEVELING- Spread and Back-roll:
Pour the mix onto the floor and spread out evenly using a notched spreader (with "V" shaped teeth).
Back-roll with a spiked roller several times while the product is still wet to even out the thickness of the coating and to remove any air entrained into the product during the mixing phase.

TOOLS:
1. Squeegee Frame: 18 or 26" Easy Squeegee Frame
2. Squeegee: Mauve V Notch: 18? or 26" Easy Squeegee™ 50-60 WFT Mils Blade
3. 455mm Premium Spiked Roller – 11mm Spikes or 500mm x 11mm Economy Spiked Roller
4. Spiked Shoes

SPRAY
Do not spray this product.

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BRUSH/ROLLER
Do not roll this product.

PRECAUTIONS
Protect EPOTEC NT SL from dew, rain, and dirt for the first 6 – 12 hours at 20°C.
Has strong exotherm and do not use when it gets hot, or viscosity rises making it difficult to spread.

CLEAN UP
For clean-up of Notched trowel and spiked rollers use EPOTEC 107 thinner or discard after each coat.

APPLICATION NOTES

Minimum nominal thickness per coat 2mm.

Addition and adjustment of the mixing ratio of TUFFLOOR SILICA FLOUR 200G, may be required to suit the gradient of the Pool Floor. If in doubt, please discuss with Cotec prior to application.

THINNING

Thinning is not recommended.

ENVIRONMENTAL

This formulation uses the latest technology with low toxicity, ensuring environmental issues are not compromised. DO NOT POUR paint or wash down storm water or water courses. ALWAYS dispose of in accordance with local Government regulations. Soak up spills with absorbent material and dispose of properly. If spraying use suitable respiratory protection. Refer to the MATERIAL SAFETY DATA SHEET

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