

ACOTHANE POUR AND ROLL GRADE

PRODUCT DESCRIPTION

A two pack solvent-free polyurethane self levelling coating material.

USES

Designed for application to steel and concrete, heavy duty flooring, grouting and encapsulation. Rapid drying and curing characteristics, allowing early completion of coating to recommended film thicknesses.

TECHNICAL PROPERTIES

Colour	Cream, Grey and selected other colours to order subject to minimum batch size		
Finish			
Curing Agent	Acothane Activator		
Mix Ratio	3 Base : 1 Activator by volume		
Specific Gravity	Base: 1.32 Activator: 1.22 Mixed: 1.30		
Volume Solids	100%		
Recommended Film Thickness	1.0 – 2.0 mm, depending on service		
Theoretical Spreading Rate	1 m ² /litre @ 1 mm		
Application Method	Brush, Roller		
Flash Point	200°C		
VOC	0 g/litre		
Drying Times	10°C	20°C	30°C
Touch Dry		2 hours	
Hard Dry		12 – 16 hours	
Full Cure		14 days	
Minimum Overcoat		Usually one coat.	
Maximum Overcoat			
Service Times	Foot traffic:	16 hours	
	Fork-lift traffic:	24 hours	

CERTIFICATION/APPROVALS

RECOMMENDED SYSTEMS

Steel: Direct to prepared surface
 Concrete: Seal with Acothane LV Sealer

SURFACE PREPARATION

- Steel:** Ensure surfaces are free from grease, oil salts etc. Grit blast to minimum BS 7079 standard SA 2 ½ - surface profile depth 75-100 microns.
Mechanical tools may also be used providing a surface profile of minimum 75 microns can be achieved. **Do not polish the steel surface.**
Acothane is a surface tolerant coating and will accommodate a degree of surface blooming and flash rusting.
Contact Spencer Coatings Technical Department if clarification is required.
- Concrete:** Remove all laitance and other contaminants by most appropriate method e.g. blast cleaning. Ensure the concrete is dry to a reading of less than 16% on the Wood Moisture Equivalent (WME) scale of the Protimeter Surveymaster SM Moisture Meter or similar instrument. Seal with LV Sealer.

PRODUCT APPLICATION

- Mixing** Add activator to base and stir thoroughly, ensuring all material on the sides and bottom of the container are fully incorporated. Decant mixed material into a suitable container such as a plastic pail or paint bucket and further mix to ensure base and activator components are fully blended together. Following mixing, the material has a limited pot life and should not be applied after this time. Pot life 25-30 minutes approx.
- Thinners** Do not thin.
- Brush**
- Roller** Apply using trowel or squeegee. De-aerate applied coating whilst still wet using porcupine roller.
- Conventional Spray**
- Airless Spray**
- Air Assisted Airless Spray**
- Cleaner** Thinner No.4
- Cleanup Considerations** All equipment should be cleaned immediately after use with Thinner No.4
It is advisable that equipment should be cleaned/flushed during the course of application, the frequency of which will depend on the volume of material used and timescale over which applied.
Ensure all waste materials (including packaging) are disposed of in accordance with local regulations.

HEALTH, SAFETY & ENVIRONMENTAL

This product must be used in accordance with the Material Safety Data Sheet supplied by Spencer Coatings Limited.
The user must observe local health, safety and environmental regulations when using this product.
Consult Spencer Coatings Limited if there are any concerns over the suitability of this product.

PACK SIZES

5lt composite, comprising 3.75lt base and 1.25lt activator.

PACK WEIGHTS

3.75lt Base: 5.37kg
1.25lt Activator: 1.70kg

STORAGE CONDITIONS

Shelf life: 12 months when stored in original sealed containers at temperatures between 5°C and 30°C.

LIMITATIONS

Normal application requires relative humidity below 80%. To avoid risk of condensation, application should be done only when the temperature of the substrate is at least 3°C (5°F) higher than dew point. Application at temperatures below 1°C (33°F) must be watched carefully since the possible presence of ice in the pores of the surface could result in poor adhesion and reduced corrosion protection.

Temperature: At Application: Preferably above 0°C – surfaces free from ice/ condensation.
In Service: Immersion 0 to 70°C depending on solution
Dry -20 to 120°C continuous

TEST DATA

<u>TEST</u>	<u>SPECIFICATION</u>	<u>RESULT</u>
Bond Strength	DIN 53232 (Primed and Unprimed Steel) DIN 53151 (Cross cut)	150 kg/cm ² Glass G1
Water Vapour Permeability	DIN 52615	0.005 metric/perm.cm
Shrinkage	-	Negligible
Impact	ASTM 2794 – 69/14	20 N.M.
Tensile Strength	DIN 53504	20 N/mm ²
Elongation	ASTM D2370	20-35%
Shore Hardness	-	'D' 80 approx.

DISCLAIMER

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It is the user's responsibility to ensure that this sheet is current prior to using the product.