Paco systems
SPECIALIST PAINTS FOR INDUSTRY

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 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 .

The user must observe local health, safety and environmental regulations when using this product.

Consult 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

TEST	SPECIFICATION	RESULT
Bond Strength	DIN 53232 (Primed and Unprimed Steel)	150 kg/cm^2
	DIN 53151 (Cross cut)	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

The information given in these specifications and technical advice - whether verbal, or in writing or by way of trials is for guidance only and is given in good faith, but without warranty. This also applies where proprietary rights or third parties are involved. Any person using products without first making further enquiries as to the suitability of the products for the intended purpose and testing the products to assess their fitness for the purpose does so at their own risk. The application, use and processing of the products are beyond our control and are therefore your own responsibility, and we can accept no liability for the performance of the products arising out of such use, beyond the value of the goods delivered by us. The information contained in these data sheets is liable to modification from time to time in the light of experience and our policy of continuous development.

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