

ACOTHANE MASTIC RAPID GRADE

PRODUCT DESCRIPTION

Two component solvent-free mastic with excellent mechanical properties and low temperature curing characteristics.

USES

Repair of damaged coatings, weld coating, filling of holes and cracks etc. prior to the application of finishing systems. Rapid cure, single coat, high build, protective system for small areas.

TECHNICAL PROPERTIES

Colour	Grey		
Finish			
Curing Agent	Acothane Activator		
Mix Ratio	3 Base : 1 Activator by volume		
Specific Gravity	Base: 1.31 Activator: 1.22 Mixed: 1.29		
Volume Solids	100%		
Recommended Film Thickness	1.0 –5.0 mm.		
Theoretical Spreading Rate	0.19 m ² per 250 g @ 1 mm thickness		
Application Method	Putty Knife, Spatula, Trowel, Brush		
Flash Point	200°C		
VOC	0 g/litre		
Drying Times	10°C	20°C	30°C
Touch Dry		15 mins	
Hard Dry		1 hour	
Full Cure*		14 days	

*At low temperature curing rate will be slower.

CERTIFICATION/APPROVALS

Meets the requirements of GBE/CW6 Part 1 for External Pipe Protection

BS6920: Part 1: 2000 "Specification" – Complying with the requirements for Water Regulations Advisory Scheme tests on water quality and is suitable for use with cold water

WRAS Water Fittings Directory Reference 0712529

Meets the performance requirements of BS EN 10290

RECOMMENDED SYSTEMS

Steel: Direct to prepared surface

Concrete: Seal with Acothane LV Sealer

SURFACE PREPARATION

- Steel :** Preferably grit blast to BS 7079 standard SA 2 ½. Surface profile 75-100 microns. Thorough abrading with wire brush, grinder, needle gun is acceptable.
- Overlap Area :** Remove any loose material to establish a firm edge. Feather sound coating (inducing surface roughness). Thoroughly abrade to remove gloss, surface contaminants etc. by suitable method (sweep blasting, abrasive disk etc.).

PRODUCT APPLICATION

- Mixing** Add Activator to Base and stir thoroughly. Pot life 5 mins. approx. @ 25°C.
- Thinners** Do not thin.
- Brush** Once mixed use immediately.
- Putty Knife/Spatula/Trowel** Once mixed use immediately
- 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

250g composite, comprising 190g base and 60g activator.

PACK WEIGHTS

190g Base: 0.25kg
60g Activator: 0.07kg

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 steel surface is at least 3°C (5°F) higher than the 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°C to 70°C depending on solution

Dry -20°C to 120°C continuous

Notes:

- 1) Acothane UM Mastic is fully compatible with other Acothane grades.
- 2) UM Mastic Rapid can be used in operations requiring fast cure e.g. lay barge, weld coating and encapsulation of anode connectors, coating repair prior to trenching/backfilling. The standard grade material should be used for more leisurely coating operations.
- 3) UM Mastic has excellent adhesion to abraded F.B.E.

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%
Abrasion Resistance	ASTM 4060, CS17, 1 kg. load, 1000 cycles	<100 mg. loss
Shore Hardness	-	'D' 80 approx.
Flexibility	British Gas GBE/CW6	Pass 2% strain @ 5°C
Cathodic Disbonding	British Gas GBE/CW6 (28 days @ 20°C) 1500 mV (calomel) 1.5 mm DFT Thickness	Pass

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