

ENDURABOND UHC

A SOLVENT FREE, HIGH-BUILD URETHANE COATING

DESCRIPTION

Endurabond UHC is a room temperature curing 100% solids, solventless aromatic urethane coating which provides a tough and resilient, durable hard protective coating for concrete floors and many other substrates. This 100% solid self-levelling coating is supplied in kits and meets all EPA emissions level for volatile organic contents. It may be easily applied with a heavy roller or brush.

RECOMMENDED USES

- Protection of concrete floors.
- Self-levelling floor coating.
- Crack filling prior to application coating to floor.

FEATURES

- 24 hour cure – no plural application equipment required.
- Durability extends substrate life.
- Impact resistant.
- Protection against chemical attack (some oils, solvents, etc.).
- Excellent waterproofing characteristics.
- Creates a tough, glossy surface that resists moisture and various chemicals.
- Sandable.

TECHNICAL SPECIFICATIONS

Theoretical Coverage:

1 m² per litre @ 1 mm thickness.
16.3 m² per 18kg kit @ 1mm thickness.

Recommended Thickness: 0.5 to 2 mm depending on physical requirements.

Number of Coats: One or more, dependent on thickness required.

Colour: Beige (not pigmented).

Table 1: Typical Properties (Wet)

Test	Results
Solids Content	100%
Mix Ratio by weight	100A to 260B
Pot Life @ 20°C	15-20 minutes
Mixed SG	1.10 g/mL
Flash Point	126°C
Storage Stability	12 months
V.O.C.	0

Table 2: Typical Performance Properties of Cured Membrane

Physical Properties	
Tensile Strength	13-14 N/mm ²
Elongation	60-65%
Hardness	60-65 Shore D

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PACK SIZES

Available as pre-packaged 18kg kits comprising:

Hardener @ 5 kgs per 4L
Resin @ 13 kgs per 20L

Or supplied in bulk:

Part A 25 kgs (Approx. 20 litres)
Part B 20 kgs (Approx. 20 litres)

Pigment addition rate: 1L pigment per 18kg kit.

Pigment @ 2kg per 2L available in white, black, dark grey (RAL 7005), light concrete grey, beige – other colours upon request.

CURE CHART

Approx. Time to	10-15°C	21-27°C	32-40°C
Dry Surface	8-10 hrs	3-4 hrs	1½ -3 hrs
Hard Film	24-36 hrs	12 hrs	4-8 hrs
Recoat Min.	8 hrs	3 hrs	1½ hrs
Recoat Max.	36 hrs	12 hrs	8 hrs
Full Cure	5-7 days	4-5 days	2-3 days

SAFETY INFORMATION

1. Do not apply this product without adequate air exchange and ventilation in enclosed areas.
2. Wear protective clothing during use. Breathing fumes and contact with skin may cause allergic reaction.
3. Consult the Material Safety Data Sheet on this product for detailed health, hygiene and safety information.

TRANSPORTATION INFORMATION

Hardener:

Proper Shipping Name:	Not applicable
Dangerous Goods Class:	Not applicable
U.N. No:	Not applicable
Haz Chem Code:	Not applicable
Packaging Group:	Not applicable

REGULATORY INFORMATION

HSNO Approval number:	HSR002670
HSNO Classification:	6.5A, 6.5B, 6.9A

Resin:

Proper Shipping Name:	Not applicable
Dangerous Goods Class:	Not applicable
U.N. No:	Not applicable
Haz Chem Code:	Not applicable
Packaging Group:	Not applicable

REGULATORY INFORMATION

HSNO Approval number:	HSR002670
HSNO Classification:	6.5B

