

ENDURATHANE CSX60D

(Formerly Endurathane UHC)

DESCRIPTION

Endurathane CSX60D (formerly labelled *Endurathane UHC*) is a room temperature curing 100% solids, solventless aromatic polyurethane casting resin. The cured product provides a tough and resilient, durable hard elastomer. Suitable for making models, props and prototypes.

Medium cure and medium demould times are a feature of **Endurathane CSX60D** which enable high productivity and good mould turnaround. The demould time and full cure can be reduced with post-curing. **Endurathane CSX60D** features cold processability and cure. **Endurathane CSX60D** also possess excellent machineability.

FEATURES

- 24hour cure – no expensive mixing equipment required.
- Durable.
- 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 and machineable.

Reactivity Grades available:

- CSX60D - 5: Short working time with fastest demould.
- CSX60D - 15: Medium working time with good demould.

TECHNICAL SPECIFICATIONS

Table 1: Typical Properties (Wet)

Test	Results
Solids Content	100%
Mixed SG	1.10 g/mL
Mix Ratio by weight	38.5A to 100B Or 100A to 260B
Pot Life	
CSX60D - 5	4-5 minutes@ 20°C
CSX60D - 15	12-15 minutes@ 20°C
Demould time	
CSX60D - 5	25-30 minutes@ 20°C
CSX60D - 15	90-120 minutes@ 20°C
Hard Cure	
CSX60D - 5	12- 24 hours@ 20°C
CSX60D - 15	24 hours @ 20°C
Full Cure	
CSX60D - 5	5-7 days@ 20°C
CSX60D - 15	7 days@ 20°C

Size of the mix will influence the pot life and demould time.

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

Storage Stability: Minimum 12 months in unopened containers

PACK SIZES

Available as pre-packaged 18kg kits comprising:

Hardener @ 5 kgs per 4L
Resin @ 13 kgs per 20L
Kit size: 16.3L.

Colour: Clear beige (not pigmented).

Pigment colourant addition rate: 0.25-0.5L Pigment Paste DINP per 18kg kit.

Pigment available in the following colours:

White, Black, Dark Grey (RAL 7015), Medium Grey (7042), Concrete Grey (7035), Beige (1001), Red, Yellow, Green & Blue.

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

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