

# CHRYSO® ELASTOTHANE PUR 60

## Spray Applied Fast setting Polyurethane Elastomeric Protective / Waterproofing Coating



### Description

**CHRYSO ELASTOTHANE-PUR 60** is a spray applied 2 component fast curing polyurethane system for high performance waterproofing and protective system. **CHRYSO ELASTOTHANE-PUR 60** is free from solvent, 100% solid with zero VOC and UV resistance. Part A consists of ISO and Part B consists of Resin.

### Indicative Characteristics

<b>Appearance of cured film</b>	Grey and other color may also be available on request
<b>Specific Gravity at 27°C</b>	1.0-1.1
<b>Solid content, % (w/w)</b>	100
<b>Mixing Ratio, by volume</b>	1:1
<b>Gel time, Sec</b>	5-20
<b>Tack free time, sec</b>	< 30 sec
<b>Walkable time, min</b>	1
<b>Elongation at break, %, ASTM D 412</b>	≥350
<b>Tensile Strength, N/mm<sup>2</sup>, ASTM D 412</b>	≥10
<b>Tear Resistance, N/mm, ASTM D 624C</b>	>27
<b>Adhesion to Concrete, ASTM D4541</b>	>2 MPa (Concrete failure)
<b>Shore A</b>	>60
<b>Service temperature</b>	-40°C to +140 °C
<b>Recommended thickness and Coverage</b>	1.5-3mm; 1kg/mm/m <sup>2</sup>

### Domains of Application

High performance waterproofing of bridge deck, basement, waste water tank lining, roof, terrace, podium, truck bed lining, tunnel lining, swimming pool, Green roof, etc. Using suitable primer, **CHRYSO ELASTOTHANE-PUR 60** can be applied on concrete, steel, aluminium, GRP Plastics, wood, SPF, etc.

### Method of Application

#### Surface Preparation

#### Surface Preparation - Concrete

The surfaces to be applied should be dry, cleaned and free from oil and grease. Loose particles should be removed and damaged spots repaired first. Cracks should be filled up using **CHRYSO ARMOURCRETE** cement MORTAR / epoxy mortar. **ARMOURCOTE-Primer** is recommended to improve the adherence of **CHRYSO ELASTOTHANE PUR 60** membrane on the substrate as a primer coat. Ensure the surface moisture is not more than 6% and relative humidity is not more than 70% prior to application of primer and coating. Ensure that the substrate must be protected against rising damp where **CHRYSO ELASTOTHANE –PUR 60** is to be applied.

#### Mixing

Stir well before using of **ELASTOTHANE –PUR 60**. For pigmented system, add and mix pigment paste (if separately supplied) with Part B (Resin) with a help of barrel stirrer to uniform color.

#### Application

A suitable high pressure plural component spray equipment fitted with temperature controller is used to apply **CHRYSO ELASTOTHANE PUR 60**. If higher thickness of film (more than 2mm is required Recoating should be carried out within 24 hours after application of previous coat.

(For more information and choice of top coat consult CHRYSO Technical team)

The information contained in this technical data sheet is given to the best of our knowledge and the results from extensive testing in order to remain as objective as possible. However, it cannot, in any case be considered as a warranty involving our liability in case of misuse or any different use of our products from the "Application" paragraph of this technical data sheet. Some application tests should be carried out before using the product to ensure that the methods of use and conditions of application of the product are satisfactory. Our technical assistance is at the disposal of the users. Consult the latest update of the technical data sheet on our website [www.chryso.com](http://www.chryso.com)

CHRYSO India Private Limited | Registered & Corporate Office : Plot No. D -30/7, TTC Industrial Area, M.I.D.C. Turbhe, Navi Mumbai – 400705. Maharashtra, INDIA. Tel : +91 22 27685991/2



# CHRYSO<sup>®</sup> ELASTOTHANE PUR 60

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### Advantages

- Green product – 100% solid with zero VOC
- Being a fast setting system installation time is minimum
- Seamless system – no joints
- Very high mechanical properties
- Excellent crack bridging capacity.
- Resistant to most of chemicals and solvent
- Excellent low and high temperature flexibility
- Fully bonded with substrate
- Most of the mechanical properties do not have any effect on UV exposure.
- No sagging on vertical and overhead application

### Precautions

- Store the material at the 5° to 35°C temperature range in shaded cool place and keep it away from fire and any heated body. Clean all tools with MEK or any standard solvent.
- Do not keep left over material in open condition.
- Do not apply the coating if the rain is expected within 3-4 hours.

### Safety

- Wear hand gloves, safety shoes and safety goggles while using and handling the product.
- In case eyes or mouth are affected wash with plenty of clean water and seek medical treatment immediately.

Before use, refer to the Material Safety Data Sheet. The MSDS is available on [www.chryso.com](http://www.chryso.com)

### Shelf Life & Storage

6 months from the date of manufacturing when stored in unopened, original sealed and dry condition at a temperature range from +5°C to 35°C

### Packing

Pack (A +B) 430kg

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