



## PRODUCT DESCRIPTION

### TWO COMPONENT SOLVENT FREE URETHANE COMPOUND

COPON HYCOTE 165 TG has been developed as the high build repair (trowelling grade) version of a series of high build solvent free urethane coating systems for the long term maintenance free protection of cementitious and metallic substrates.

COPON HYCOTE 165 TG is specifically designed for application by trowel, stiff brush or spatula. As such, it permits single coat applications of up to 6 mm dft.

COPON HYCOTE 165 TG is formulated to be fully compatible with the spray or brush applied versions and therefore incorporates similar performance characteristics, combining abrasion and impact resistance with a significant degree of flexibility.

COPON HYCOTE 165 TG is specified and used for a wide range of diverse applications including repair of eroded and pitted pipes, tanks and vessels and especially on bridges, related engineering structures and fabrications and a girth weld coating for pipelines.

**Standard Colour Availability** Manufactured in Grey and BS 4800: 12 B 21.

## GENERAL PROPERTIES

<b>Abrasion</b>	Excellent resistance to abrasion and mechanical damage.
<b>Total Strength</b>	2800 psi
<b>Elongation</b>	35%

## PHYSICAL CONSTANTS

<b>Total Solids Content (Average) by Volume</b>	100%
<b>Specific Gravity (Average Mixed)</b>	1.2
<b>V.O.C.</b>	Nil
<b>Film Thickness (Typical)</b>	up to 6 mm Wet/Dry.
<b>Theoretical Coverage Rate</b>	0.8 m <sup>2</sup> per kilo at 1 mm

## SURFACE PREPARATION

Surfaces should be abrasive blast cleaned to Sa2<sup>1/2</sup> BS 7079 Part A1 1989 or equivalent. All dust and abrasive material should be removed from the surface prior to coating.

Concrete surfaces should be suitably prepared, clean and dry. In most situations an appropriate primer/sealer will be required. When used on weld joints of polyolefin coated pipes, surfaces should be thoroughly abraded or scarified.

## MIXING

<b>Number of Components</b>	Supplied in two parts: Base component and Activator component.
<b>Mixing Ratio (by volume)</b>	3 parts Base component. 1 part Activator component.
<b>Pot (Usable) Life</b>	10 minutes at 20°C
<b>Method of Mixing</b>	Stir the Base component and whilst stirring add the Activator component and mix thoroughly. Initially the two components are fluid but on mixing form a paste which should be transferred to a clean mixing board and further mixing should be carried out to produce a streak free material.

*(continued overleaf)*

## APPLICATION

- Conditions for Application** Do not apply when the relative humidity exceeds 90% or when the surface to be coated is less than 3°C above the dew point.  
Application is best carried out when the surface to be coated is above 10°C.
- METHOD** COPON HYCOTE 165 TG should be applied by trowel, stiff brush or spatula to the required thickness to give a smooth finish.  
All equipment must be cleaned immediately after use using COPON PU 71 THINNERS.  
For spray or brush applications of this series of COPON HYCOTE solvent free urethane coatings, please request product data on COPON HYCOTE 165 or COPON HYCOTE 165 BG respectively.

---

## DRYING AND CURE TIMES AT 20°C

Touch Dry	- 1½ hours
Hard Dry	- 3½ hours
Full Cure	- 7 days
Overcoating	- Minimum 1½ hours - Maximum 24 hours

---

## HEALTH & SAFETY

1. Adequate ventilation must be provided during use.
2. Undue contact with the skin should be avoided.

**NOTE:** Full Health & Safety Data is available from E Wood Ltd

---

## PACKAGING AND STORAGE

Supplied in 1 kilo packs.

Use within 2 years of purchase.

Store in original sealed containers at temperatures between 5°C and 30°C.

---

**Copon System Recommendations take precedence over individual Copon Product Data Sheets and are available on request.**



E WOOD LTD  
STANDARD WAY  
NORTHALLERTON  
NORTH YORKS  
DL6 2XA

TEL 01609 780170  
FAX 01609 780438/777905(General)  
FAX 01609 788718 (Technical)  
E-MAIL [copon@ewood.co.uk](mailto:copon@ewood.co.uk)  
URL: <http://www.copon.co.uk>