

PRODUCT DESCRIPTION

TWO COMPONENT SOLVENT FREE URETHANE COATING

COPON HYCOTE 165 has been developed as the spray applied version of a series of high build solvent free urethane coating system suitable for the long term maintenance free protection of cementitious and metallic substrates.

COPON HYCOTE 165 is specifically designed for plural feed hot airless spray application. As such it permits single coat applications of between 0.5 mm and 2 mm d.f.t.

COPON HYCOTE 165 is suitable in many different immersion conditions, including chemically polluted, marine or underground environments.

COPON HYCOTE 165 is formulated to combine outstanding abrasion and impact resistance with a significant degree of flexibility. Accordingly, this coating is specified and used extensively for diverse applications including the internal and external protection of pipes, tanks and vessels, bridges and related building and engineering structures and fabrications.

COPON HYCOTE 165 meets the requirements of British Gas Specification GBE/CW6 Pt I Jan 1993 for External Pipe Protection.

Standard Colour Availability Cream of Grey. Other colours formulated to order when possible.

GENERAL PROPERTIES

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| Abrasion | Excellent resistance to abrasion and mechanical damage. |
| Tensile Strength | 2800 psi |
| Elongation | 35% |
| Cathodic Disbondment | Exceeds specification requirements. |
| Dielectric Strength | >20Kv |

PHYSICAL CONSTANTS

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| Total Solids Content (Average) by Volume | 100% |
| Specific Gravity (Average Mixed) | 1.2 |
| V.O.C. | Nil |
| Film Thickness (Typical) | 1 mm Wet/Dry |
| Note | The thickness to be applied should be agreed between the specifier and the manufacturer dependant on operational performance requirements. |
| Theoretical Coverage Rate | 1 m ² per litre at 1 mm |

SURFACE PREPARATION

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| Steel | Surfaces should be abrasive blasted to Sa2½ BS7079 Part A1 1989 or equivalent with a surface profile of 75 microns. 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 coat will be required. |
| Polyolefin | Surfaces should be thoroughly abraded or scarified. |

MIXING

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| Number of Components | Supplied in two parts: Base component and Activator component. |
| Mixing Ratio (by volume) | 3 parts Base component. 1 part Activator component. |
| Pot (Usable) Life | 2-3 minutes at 35°C-40°C |
| Method of Mixing | Plural feed hot airless spray mixed automatically at spray head. Material temperature 35°C-40°C. |

(continued overleaf)

APPLICATION

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| 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 point. |
| METHOD | COPON HYCOTE 165 should be applied by plural feed airless spray equipment. The Base component should be heated such that the temperature at the spray tip is 35°C - 40°C. |
| Typical Plural Feed Airless Spray Settings | Base Temperature 50°C Activator Temperature 25°C Tip Pressure Approx 3000 psi Tip Size 19-25 Thou All equipment must be cleaned immediately after use using COPON PU 71 THINNERS. |

DRYING AND CURE TIMES AT 20°C

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| Touch Dry | - 2 hours |
| Hard Dry | - 4 hours |
| Full Cure | - 7 days |
| Overcoating | - minimum 2 hours - maximum 24 hours |

Ideally COPON HYCOTE 165 should be applied as a single high build coat. If a second coat is required for any reason, overcoating must be carried out within 24 hours of application of the preceding coat. If the overcoating time is extended, thorough mechanical abrasion or flash blasting of the preceding coat must be carried out prior to overcoating. The minimum overcoating time will be determined by the chosen method of application and prevailing temperatures. Overcoating can be carried out as soon as the coating has cured sufficiently to receive a subsequent application by the selected method.

HEALTH & SAFETY

1. Adequate ventilation must be provided during use.
2. Suitable vapour masks should be worn for spray application.
3. Undue skin contact should be avoided.

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

PACKAGING AND STORAGE

Base and Activator supplied separately in 18 litre units (3 Base and 1 Activator).

Use within 2 years of purchase. Store in original sealed containers at temperatures between 5°C and 30°C.

Copon System Recommendation 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
URL: <http://www.copon.co.uk>