

PRODUCT NAME	TEFCOTE P3000HRX
Product Function	To provide a self sterilising TEFLON enhanced surface with outstanding cleanability, resisting water, chemicals, cleaning materials and soiling.
Issue Date	April 1998



Features
Tefcote P3000HRX is a premium quality water based coating containing finely dispersed P.T.F.E. It is primarily intended for use as a high grade anti-pollution coating for moist and cleanable applications such as food preparation, kitchens, WC's, bathrooms etc. Also suitable for areas that are affected by water, chemicals, physical damage, bacteria etc. The coating is ideal for use in hygiene demand areas. The product is characterised by very good resistance to weathering, yellowing and UV exposure. The product is breathable with ideal anti soiling properties.

Technical Data	Ref No. JDLT 041093/7
Density:	1,08 - 1,18
Application Temperature:	(Includes substrate) 8 - 30 deg C
Maximum Relative Humidity:	85%
Volume Solids:	ca 35%
Typical D.F.T.:	ca 40 microns per coat
Theoretical Coverage:	8-10 square metres per litre
Biocide Approvals:	EPA No's. 10466-27 and 6922-19-10466
Flash Point:	Not applicable. Waterborne.
Contains biocide:	Yes
Micro-porous:	Yes
Colour range:	BS4800

Accreditation	Ref No. KH 301093/7
EEC Food Safety Regulation	Complies to EEC 43/93 standards (CCFRA).
BS 476 part 7- Spread of Flame:	Class 1.
BS 476 part 6- Combustion:	Class 0.
BS 148 part 6- Impact Resistance:	Hammer test. Surface free from cracks and delamination.
ASTM D2486- Abrasion resistance:	Coating intact after 8.000 oscillations.
BS 3900- E1- Flexibility:	¼ inch bend test. Coating intact, free from crazing.
BS 3900- G6- Bacteria control:	Surface growth test. Surface free from growth.

Reinforcements	Ref No. KH 301093/7
Tefcote Topcoats can be reinforced with Tefcote Matrix membranes, as per the Tefcote Specification Sheet to give added mechanical resistance and prevent flaking, peeling and crazing finishes over time. Reinforcements are a cost effective alternative to tiles and cladding.	
Basecoat only:	Specification 1 Basecoat and topcoat application, medium duty / moist.
Standard Matrix:	Specification 2 Standard Matrix 30gms/sqm, medium duty kitchens etc.
Medium Matrix:	Specification 3 Medium Matrix 50gms/sqm, medium duty abrasion.
Medium + Standard:	Specification 4 Lamination of Matrix, 80gms/sqm, heavy duty for wear.

Preparation

Ref No. KH 301093/7

Tefcote P3000HRX can be applied onto most masonry surfaces including: brick, block, stud, render, plaster, concrete, wood and also ferrous and non-ferrous metals - subject to priming. Surfaces must be clean and dry prior to application of the topcoat. Moisture content less than 10%. Seal porous surfaces and remove bits and other impurities prior to application. Use and store above freezing (temperatures between 10 - 25 deg C). Storage period twelve months.

Finishing

Ref No. KH 301093/7

Application - Tefcote P3000HRX can be applied by the following methods:-

BRUSHING / ROLLING: The topcoat is supplied at a ready for use viscosity. A quantity of water (5-10%) may be added if required to obtain a suitable viscosity at application temperature.

CONVENTIONAL SPRAYING: Thinning may be carried with water, added up to 10% by volume to obtain a suitable viscosity at application temperature. Not recommended.

AIRLESS SPRAYING : Most types of industrial airless spray equipment are suitable, pressure 176/211 kgs/cm² - 2500-3000 psi. Tip size 11 - 19 thou. Up to 10% water may be added.

Air Drying

Ref No. KH 301093/7

At an ambient temperature of 20 deg C, 70% RH:-

- Overcoating 4-6 hrs.
- Surface dry 6-8 hrs
- Hard dry 10-12 hrs
- Full properties 5-7 days

COSHH Material Safety Data

Ref No. KH 301093/7

Tefcote P3000HRX is a waterborne coating that does not present any hazards under the Chemical (Hazard Information and Packaging) Regulations (CHIP Regs.) 1993 and (C.P.L. reg. 1984).

- S23 Do not breathe spray vapours.
S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
S38 In case of insufficient ventilation and when spraying wear suitable respiratory equipment.
S36/37 Wear suitable protective clothing and gloves. Prolonged contact with skin may have a de-fattening effect which may lead to skin irritation and in some cases dermatitis.

Occupational Exposure limits are not applicable.

UN (SI) number 1263. Classification under ADR/RID or IMDG (road, rail or sea classification) is not applicable.

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