

Polybond Ltd

Polybond Ltd. Unit 6, William Street, Northam, Southampton, SO14 5QH
Tel: 02380 988350 Fax: 02380 988355

FARM OXIDE - Technical Datasheet

PRODUCT FUNCTION

Farm Oxide is a tough and durable enamel for agricultural buildings and machinery. It combines a long wet edge time with quick through drying allowing large areas to be sprayed without dusty overspray problems, but at the same time, yielding rapid taping and processing times. Farm Oxide is based on a unique specially formulated blend of polyurethane and chain stopped alkyd resins – leading to excellent gloss retention, abrasion resistance, adhesion, toughness, durability and chemical resistance. A particular feature GardAg Farm Oxide is its good resistance to “yellowing” in white and pastel shades combined with excellent light fastness and hiding power making it very economical in general usage. This product finds its uses in the decorative field including interior and exterior wood finishing and also in other applications where its great abrasion resistance, toughness and gloss retention makes it a popular choice for heavy duty flooring applications.

PRIMING

Aluminium:

Mild Steel:

Stainless steel & Zintec: Two pack Etch primer
Zinc Phosphate primer or Zinc Rich primer
Single Pack Etch primer

APPLICATION

Farm Oxide can be applied by spray, brush or roller. Conventional spray is best at approximately 35 to 50 seconds B 4 Ford Cup at 20°C which is achieved by the additions of 10% Speed Thinners by volume.

HOT SPRAYING

This is best carried out at 50 to 60°C – no thinner is normally required although up to 10% of Speed Thinners may be used in hot weather.

BRUSHING

Farm Oxide gives excellent brushability due to its long wet edge.

ROLLER

An application technique used mainly for flooring & walling application of this product. Normally add 10-20% of Speed Thinner to facilitate easier rolling & better even coverage.

PROPERTIES

Colours	Red, Green and Grey
Coverage	Approximately 9-10 square metres per litre at 35 microns D.F.T.
Solids	Approximately 52-58% dependent upon colour
S.G.	1.0 – 1.3 dependant on colour.
Temp. Resistance	Up to 200°C (Some discolouration may occur)
Viscosity	Approximately 3.0 poise I.C.I. Cone & Plate at 25°C.
Dry & Wet Film Thickness	50 microns wet gives approximately 25 microns D.F.T.
Special Properties	Long wet edge/through dry/excellent durability & abrasion resistance.
Packaging	Available in 5l and 20l
Storage Life	In excess of 12 months in original sealed containers.
Flashpoint	Above 32°C
Drying Times	Touch Dry: 1.5 – 2 hours Hard Dry: 8- 16 hours
Cleaning / Removal	Use Gunwash
Thinners	Speed Thinners (Fast); White Spirit & Retarded C/E Thinners (Slow)
Re-Coat	Up to 1 hour then after hard dry period

HEALTH & SAFETY

Barrier creams and rubber gloves should be worn when using this product. Wear goggles to protect eyes from splashes. Ensure good ventilation during application. Do not breathe in vapours.

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