

PRODUCT NAME**Superthane****HMG PAINTS LTD**

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Issue date 01/01/1998
Formula number 3800 series
Product code TOPSUP
Printed date Sat 06/07/02 at 21:21:33

PACKAGING

Superthane is usually sold in 5 litre packs. Other sizes are available by arrangement.

PRODUCT FUNCTION

SUPERTHANE is a 2 Pack Polyurethane coating offering ultimate levels of: WEATHERING, COLOUR RETENTION, SOLVENT RESISTANCE, ABRASION RESISTANCE, WIDE RANGING CHEMICAL RESISTANCE.

SUPERTHANE offers the highest quality finish on ferrous and non-ferrous metals, wood, concrete, asbestos, fibreglass etc, and finds use in applications such as Ship Superstructures, Bridges, Aircraft, High Quality Structural Steelwork, Food Storage Warehouses, Abattoirs, Hospital, all structures in chemical or abrasive environments, Railway Rolling Stock, Road Tankers, High Quality Commercial Vehicles, Building Facings. Protection of bright metal surfaces can be carried out using Clear SUPERTHANE.

SUPERTHANE is finding increased popularity in refinishing in all the previously mentioned fields. In most cases all that is necessary on previously painted surfaces, is to flat down and apply either Uniblok Sealer or HMG Washfiller and then apply the SUPERTHANE system in the normal recommended manner. SUPERTHANE is a fairly slow drying system, being dust free in 2 - 4 hours; firm dry in 24 hours; fully cured in 5 days @ 20°C.

It can be subjected to normal exposure to the atmosphere after reaching the firm dry stage, i.e. 24 hours after the application of the final coat, but must be allowed at least 5 days to cure when subjected to chemical or harsh abrasive conditions.

TECHNICAL INFORMATION

Solids	Approximately 50 to 65% base - 75% hardener
Flashpoint	Between 22 to 32°C
Specific Gravity	1.05 to 1.30 approximately dependent on colour
Viscosity	2 - 3.5 poise ICI Cone and Plate @ 25°C
Temp Resistance	150°C continuous - 200°C for short periods
Storage	12 months in original sealed containers
Colour retention	Excellent
Pot life	4-6 hours @ 20°C

APPLICATION AND USAGE DATA

Touch dry	2-4 hours
Firm dry	24 hours
Hard dry	5-7 days
Mixing ratio	2¼:1 (base:hardener)
Thinners	HMG Superthane thinners only
Overcoating	At any stage. Flat down well if left more than 24 hours between coats
Eqp. cleaning	HMG Superthane thinners only
Film thickness	60 microns WFT gives approximately 35 microns DFT
Coverage	10 square metres per litre (theoretical)
VOC	462g/l (mixed)

COLOUR RANGE

SUPERTHANE pigmented colours are available in the full range of BS Standard colours, US Standard colours and RAL shades. Special shades and sheens can also be matched by arrangement.

SPECIAL PROPERTIES**PREPARATION**

Thorough surface preparation is very important for the best performance of SUPERTHANE topcoat.

Standard original finishing procedure is as follows:

Ferrous Metals: Blasting, followed by thorough cleaning and degreasing, For light ferrous metals clean, degrease and abrade. Etch prime recommended. HMG 2 Pack Epoxy or HMG 2 Pack Polykote Primer.

Technical Data Sheets are also available on our website at www.hmgpaint.com

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Previously Painted Surfaces: Ensure surface is sound, abrade clean and degrease. Use HMG Uniblok Sealer or HMG Washfiller.

Non-Ferrous Metals: Fully clean, degrease & abrade. Apply 2 Pack Etch Primer. Proceed as for ferrous metals.

Concrete / Asbestos: Prime with Concrete & GP Sealer. Apply finishing coats within 24 hours.

Wood: Prime with HMG Concrete & GP Sealer overcoat within 24 hours. HMG Polykote Primer (recommended). Apply finishing coats within 24 hours.

HOW TO USE

- | | | | |
|--|---|--|--|
| <input type="checkbox"/> Airless | <input checked="" type="checkbox"/> Brush | <input type="checkbox"/> Electrostatic | <input type="checkbox"/> HVLP |
| <input checked="" type="checkbox"/> Conventional spray | <input type="checkbox"/> Dipping | <input type="checkbox"/> Roller | <input checked="" type="checkbox"/> See application data |

APPLICATION

Mix SUPERTHANE as supplied. The normal method of application for SUPERTHANE is by conventional spray, although brush application may be used on small areas. In the case of brush application the finish can be used without the addition of thinners. For spray work, thinner should be added to give a viscosity of 25-35 seconds on No 4 BS Flow Cup.

Consult HMG Technical Department for information on Roller Application.

Mixing of the Hardener must be complete before thinning. It is important that the instructions regarding blending of Base & Hardener are observed otherwise uneven cure and inferior film properties may result, from incomplete mixing of the 2 components.

Moisture in SUPERTHANE compositions is to be avoided so all equipment must be carefully dried, ensuring brushes, spray guns, and airlines are clean and free from traces of oil and water.

HEALTH AND SAFETY

- Refer to health and safety data sheet JD/11/77 and tin label prior to use.
- For brush application, use in well ventilated areas, avoiding contact with skin and eyes.
- For spraying, use air fed respiratory equipment.

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