



HMG Coatings (South) Ltd
 Faraday Park
 West Portway Ind Est
 Andover
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Tel: 01264 356296
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PRODUCT NAME

SYNERGY® PPE 2K EPOXY TOPCOAT

TECHNICAL DATASHEET

PRODUCT DESCRIPTION

Synergy® PPE 2K Epoxy Topcoat is a high performance coating with excellent resistance to most chemicals including battery acid, alkalis, grease, oil, etc. Untreated concrete floors are porous and if left unprotected, will soon become stained and ingrained with dirt, grease, chemicals, etc. The application of sealers (i.e. floor paint) renders the floor non-porous, protecting it from dirt, grease, oil, chemicals, water, etc. The sealer reduces wear on the floor and prevents the concrete from dusting. The floor surface is stronger, stain resistant and more hygienic.

Technical Information

COLOUR

Wide colour range available, including most British Standards, RAL and special colours to customer requirements. Some colours may contain lead-chromate pigments, check label for details.

APPEARANCE

Gloss Finish.

THEORETICAL COVERAGE

Expected coverage is 6 – 8 square metres per litre. Note this will depend on the film thickness applied, the surface profile and the porosity of the floor being painted.

DRY FILM THICKNESS

Typically 50 microns per coat.

METHOD OF APPLICATION

Brush or Roller.

DRYING TIME

Touch Dry.... 2 – 6 hours.

Handle Dry Overnight.

Full Cure..... 7 – 10 days.

Drying times are quoted at 20°C and will vary with actual conditions such as: film thickness, air movement, temperature and humidity.

CHEMICAL RESISTANCE

7 – 10 days should be allowed before being exposed to chemicals, pollutants and mechanical stress.

VOLUME SOLIDS

45% - 50% varying slightly with colour



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COVERAGE RATE

Typically 8 sq m per litre depending on film thickness applied and surface porosity, etc.

FLASH POINT

22°C - 32°C.

SHELF LIFE

6 months when stored under cover in original unopened containers, dependant on temperature. Mix thoroughly before use.

POT LIFE

6 – 8 hours @ 20°C.

HEALTH AND SAFETY

Familiarise yourself with this product's MSDS before use. If you need to obtain a copy, telephone us on 01246 356296.

PACKAGING

The base and activator components are supplied in proportion sufficient to make 5 litres of mixed product.

APPLICATION

SURFACE PREPARATION

Concrete should be clean, dry and free from dust, dirt, grease and other contaminates etc. All surfaces to be coated should be dry - the concrete should have a moisture content below 6%. Power-Floated floors should be abraded to provide a key for the coating.
Previously Painted Floors - As with all coating applications, suitable pre-treatment of the floor is of the utmost importance. Old paint especially with suspect adhesion or of an unknown type should be completely removed. Some paints however may still lift, be softened, or cause poor inter-coat adhesion when this system is applied on top of them. So, it is always advisable to check for suitability and defects by undertaking small-scale trials. If the old paint is satisfactory, clean and abrade the surface in the normal way.

PAINTING

The drying and curing process will slow down at low temperatures and stop altogether whenever it falls below 10°C. So it is important that this minimum temperature requirement is observed. Each component of the product should be stirred thoroughly. They should then be mixed together until homogenous and then allowed to stand for 10 minutes before use.
 First coat - Thin the mixed system with 20%-30% of 2 pack Epoxy Thinners ref 005:000:9999 and apply evenly to all areas of the bare concrete.
 Second coat - Apply this coat unthinned.
 Third coat - Apply this coat unthinned. This coat will extend the life of the 2-Pack system.
 Good ventilation is essential throughout. This will assist drying and curing. Heavy vehicle traffic should be avoided for at least 7 Days.



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OVERCOATING

Can be overcoated after 16 hours, and up to 10 days. After this period the intercoat adhesion may be impaired.

MIXING RATIO

3 parts Base to 1 part Activator by volume.

PACKAGING

The base and activator components are supplied in proportion, sufficient to make 5 litres of mixed product.

THINNING AND CLEANING

SOLVENT

2 Pack Epoxy Thinners

CLEANING

Clean all equipment immediately after use with the above solvent.

Technical Data Sheets are also available on our website at www.hmgcoatings.co.uk

ALL MATERIALS SHOULD BE STIRRED AND CHECKED FOR COLOUR AND SHEEN BEFORE USE. NO CLAIMS FOR DISCREPANCY OF COLOUR OR GLOSS CAN BE ACCEPTED AFTER USE. INFORMATION CONTAINED ON THIS DATA SHEET IS TO THE BEST OF OUR KNOWLEDGE TRUE AND ACCURATE AND IS GIVEN IN GOOD FAITH, BUT WITHOUT WARRANTY, SINCE THE APPLICATION, USE AND PROCESSING OF THE PRODUCT IS BEYOND OUR CONTROL.