

# 2K Epoxy HD Floor Paint

## Description

A heavy duty 2K Epoxy Floor Paint is a 2-pack epoxy solvent based floor paint for high traffic areas requiring a tough hard wearing coating.

## Features

HMG 2K Epoxy HD Floor Paint is for use over suitably prepared clean and dry interior concrete, timber, and primed metals subject to heavy traffic with excellent chemical resistance particularly to Skydrol.

- Heavy Duty, hard wearing 2 pack Epoxy Floor Coating
- Internal use
- Resistant to many chemicals after full cure
  - Skydrol - No affect on coating after 3hrs immersion
  - Engine oil (1hr@60°C) - No affect on coating
  - Gear oil (1hr@25°C) - No affect on coating
  - Hydraulic oil (1hr@25°C) - No affect on coating
  - Diesel (1hr@25°C) - No affect on coating
  - Water (7 days@25°C) - No affect on coating
  - Amine (24hrs@25°C) - No affect on coating
- QUV 250hrs - No chalking or loss of gloss. Slight yellowing
- Suitable for regular vehicle traffic after full cure
- Touch dry 1 – 2 hours
- Hard dry 4 hours
- Full dry 7 days
- Recoat after 1 – 2 hours
- Suitable for use with Low Slip Additive

All HMG Paints products are manufactured in Manchester, UK under the auspices of an ISO 9001 management system and are Made in Britain accredited.



## Substrates

Suitable for many heavy duty and challenging environments including areas subject to water, chemicals, heavy and regular vehicle traffic.

## Important Information Before Use

Read and follow SDS, TDS, and label instructions. Stir paint thoroughly before use. Always use the same batch number on the same job. Check colour and sheen, HMG will not accept any discrepancies arising after use. Filter the product immediately before use. Reduce emissions and maintain quality by replacing tin lid after use. If in doubt, contact HMG Technical Service Department on 0161 205 7631.

# 2K Epoxy HD Floor Paint

## Application

### Method

Brush, Roller or Spray

### Application Climate

Substrate temperature should be 5°C or above for application and during cure, and a minimum of 3° above the dew point. Adequate dry air ventilation should be supplied during drying. Complete cure (drying) of the coating can take up to several days, depending on the film thickness applied and the ambient drying conditions at site. The coating should not be exposed to heavy surface condensation before it is completely dry as this can cause permanent surface marking.

### Application Information

Thinning should only take place after material is thoroughly mixed. Application and use should always conform with the codes of practice described in BS 6150 and BS 5493.

**Brush and Roller** - Supplied ready for use. Thin, if required, with up to 5%.

**Conventional Air Spraying** - Thin with 5-15% as required, tip size - 2.0mm, tip pressure 60psi (0.4MPa) approximately.

**Airless Spraying** - Thin with 0 – 10% as required, tip size - 18 thou (0.46mm) approximately, tip pressure - 2100 psi (15MPa) approximately.

Cleaning - Clean all equipment immediately after use.

### Surface Preparation

Substrate to be clean, dry, and free of oils, grease, dust, and other contamination prior to application.

New concrete and screeds should be allowed to fully cure prior to painting. Ensure the substrate is thoroughly clean and degreased using suitable degreaser. All existing and previous coatings to be checked to be fully adhered and compatible with any new coatings. Laitance and dusty top layer of new concrete to be removed to firm.

Power floated/non porous or shiny concrete should be mechanically abraded, this is best achieved via vacuum blasting to a profile of 30 to 50 microns, for smaller areas or where this is not possible concrete etch should be used.

Previous coatings should be sound and well adhered, all loose and failed coatings removed back to firm well feathered edge.

Substrate to be sound without signs of powdering or crumbling with all joints, cracks, holes, and other repairs filled with suitable filler.

Vacuum to remove all dust and loose debris prior to application.

Check floor system selected is suitable for application and proposed use against slip in all likely conditions.

For full surface preparation please refer to our web site for Knowledge Base article Prep Cleaning Techniques (KNB0009) and Preparatory Cleaners from the Product Guide. If in doubt speak to HMG Technical Department on 0161 205 7631.

### Application

Application to porous substrates first coat to be thinned 20% using HMG 2691 or 2711 to allow for penetration into the substrate.

# 2K Epoxy HD Floor Paint

## Information Sheet

Version 1 8 October 2024

First coat – Thinned 20% as primer coat for porous bare substrates, this is not required for previous coatings other than as a spot primer over bare areas.

Second coat – applied at 100 microns wft this equates to 10sq mtrs per lt on a flat surface, allow wastage for uneven surface and porous substrates.

Third coat – applied at 100 microns wft this equates to 10sq mtrs per lt on a flat surface, allow wastage for uneven surface and porous substrates.

When using floor paints please ensure that the finished floor is safe against slips in all likely conditions. Recoat after 16 hours, this may be extended for application above 100 microns and at colder temperature. Allow at least 4 hours for light traffic and 24 hours for heavy traffic.

## Technical Information

<b>Theoretical Coverage (approx) at 40 microns DFT</b>	Up to 8 – 12m <sup>2</sup> per l	<b>Number of Coats (Guide Only)</b>	1 - 2 coats
<b>Drying time at 20°C (May vary with film build and temperature)</b>	Touch Dry – 1 - 2 hours Hard Dry – 16 - 24 hours Full Cure – 3 – 7 days	<b>Application</b>	Brush, Roller or Spray
<b>Thinner</b>	2691 or 2711 up to 20% on new and porous substrates.	<b>Hardener &amp; Mix Ratio</b>	Gloss – 1:1 with 9070 Satin – 1:1 with 9107
<b>Finish</b>	Gloss or Satin	<b>Pot Life</b>	6 Hours @ 20°C
<b>Volume Solids</b>	40%	<b>WFT</b>	90 - 125 microns
<b>Maximum VOC (RFU)</b>	0.543kg/l	<b>DFT</b>	35 - 50 microns
<b>Primer</b>	Concrete – thin first coat Steel – EpiPrime	<b>Colours</b>	Available in standard HMG Floor Paint Colours & full BS, RAL and many others to order.
<b>Regulation/ Compliance</b>		<b>Available Pack Sizes</b>	10lt

## Colour Range

Available in Light Grey (RAL7038), Mid Grey (RAL7037), Dark Grey (RAL7015) Yellow (RAL 1018), Tile Red (L31707) Green (14-E-53), Mid Blue (RAL5015), White and Black. Other colours are available in batch size quantities.

## Health And Safety

Refer to SDS and tin label prior to use. Suitable respiratory equipment should be worn when spraying. Contaminated rags, spray booth filters or other substrates should be segregated from other chemical waste, soaked with water or disposed of in a non-combustible container with tight fitting lid.

This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is to the best of HMG's knowledge and belief accurate and reliable as of the date indicated. However, no representation, warranty or guarantee is made as to its accuracy, reliability or completeness. It is the user's responsibility to satisfy themselves as to the suitability and completeness of such information for their own particular use. For professional use only.