

HEAVY DUTY EPOXY GLOSS FLOOR COATING

HIGHER PERFORMANCE, 2-PACK, SOLVENT FREE SYSTEM

USED ON INDUSTRIAL, COMMERCIAL FLOORS IN LABORATORIES, SHOWROOMS, SCHOOLS AND PLANT ROOMS

PERFORMANCE ADVANTAGES

- > High Build Gloss Finish
- > Solvent-Free, environmentally friendly - 100% solids
- > Hard wearing, good abrasion resistance, withstands foot and forklift trucks
- > Provides easy to clean, dust free surfaces
- > Good chemical resistance
- > "Odourless" user friendly epoxy which is easy to use/mix
- > Choice of Colour range
- > Slip resistant options
- > Non-flammable

USES

- > **INTERNAL USE ONLY.**
- > A heavy duty floor coating for new and existing concrete floors in processing and beverage areas, chemical plant rooms, engineering workshops, automotive & aviation areas, factory and warehouse units.
- > Not recommended for use on Bitumen or asphalt.
- > Can be Brush or Roller applied.

COLOUR RANGE

- > Red, Grey, Clear. Other colours to order.

PACK SIZE

- > 5Kg Composite Packs (including Part A - Epoxy Resin, Part B - Curing Agent).



SPREADING RATE

Primer:

- > 5Kg Composite Pack covers 20-30m² per coat (0.17 - 0.25Kg/m² per coat).
- > One coat is generally sufficient.

Topcoat:

- > 5Kg Composite Pack covers 16.6-20m² per coat (0.25-0.3kg/m² per coat) achieving a dft of 200-240 microns per coat.
- > Apply 2 Coats which will give an overall dft of approx 400-480 microns.

DRYING/CURING TIME

- > Touch dry after 4 hours at 20°C.
- > Through dry after 8 hours at 20°C.
- > Recommended over coating after 12-18 hours.
- > Light Traffic after 12-24 hours.
- > Forklifts/Heavy Traffic after 48 hours.
- > Avoid washing surface until a full cure has been completed after 7 days.



SHELF LIFE

- > **DO NOT ALLOW PACKS TO FREEZE.**
- > 12 months shelf life from date of production in original unopened containers and can be stored in dry conditions between 5°C - 30°C.

PREPARATION

New Concrete Floors:

- > New Concrete must be at least 4 weeks old before considering coating the substrate or moisture less than 5%
- > The surface must be clean, sound, dry and fully cured and surface laitance removed preferably by enclosed shot blasting or mechanical grinding.

Existing Concrete Floors:

- > Remove all dirt, oil, grease or other surface contaminants by enclosed shot blasting, scarification or mechanical grinding.
- > Fats, oils or greases must be removed by mechanical means and detergent washing.

PRIMING

- > BRITANNIA EPOXY PRIMER (see separate Britannia Epoxy Primer data sheet) must be used on highly polished/ Power floated Floors.
- > Open, porous substrates will require priming.

MIXING

EITHER EPOXY PRIMER OR HEAVY DUTY EPOXY GLOSS FLOOR COATING

- > Add the smaller tin containing PART B - CURING AGENT to the bigger tin containing PART A - EPOXY RESIN. Ensure mixing of the combined materials is done thoroughly using a spatula, wide bladed tool and or drill assisted paint mixing tool (on its lowest speed setting).

ALWAYS ENSURE A SPATULA IS USED TO MIX ANY UNMIXED MATERIALS FROM THE SIDES OR THE BOTTOM OF THE TIN.

- > It is suggested that continuous mixing is maintained for at least 3 minutes until an even colour and uniform consistency is achieved. Over mixing must be avoided to reduce air entrainment.

- > **DO NOT MIX MORE THAN ONE PACK AT A TIME.**

POT LIFE

BOTH EPOXY PRIMER AND HEAVY DUTY EPOXY GLOSS FLOOR COATING

- > Up to 45 minutes at 20°C. Greater temperatures will reduce pot life.

APPLICATION

- > Store between 15°C - 25°C for at least 8 hours before use.
- > The ambient temperatures of the areas should not be allowed to fall below 10°C throughout the application and curing period.
- > Surface temperatures must be above 5°C, in cases where the temperature is higher than 30°C, the surface should be dampened with water.
- > Apply by brush or short-medium pile roller ensuring the product is well worked into the surface.
- > **DO NOT USE A WATER-BASED ROLLER.**
- > Do not exceed the coverage rates stated above.
- > **DO NOT OVER ROLL.**
- > Floor areas should be cross-rolled to ensure even application and to minimise roller marks.
- > Second coat can be applied after 12-18 hours and should be completed within 5 days of initial coat, if left for longer than 5 days, the surface should be abraded pre second coat.

CLEANING APPLICATOR/MIXING EQUIPMENT

- > Before the product cures all applicators should be washed in warm soapy water. Any spillages of the PART A - EPOXY RESIN prior to mixing must be removed by solvents.

GENERAL MAINTENANCE

- > All surfaces should be thoroughly rinsed with clean water after the use of chemical cleaners.
- > Do not steam clean or use anything that cleans with temperatures exceeding 60°C.
- > If unsure of any industrial cleaners, use a test area to ensure compatibility.

PRECAUTIONS

- > **See MSDS sheet**
- > Wear gloves, goggles and suitable protective clothes.
- > In case of contact with eyes rinse immediately with plenty of water and seek medical advice.
- > Remove splashes from the skin with a recognised hand cleaner or plenty of soap and water.
- > Keep out of reach of children.
- > Do not use near fishponds.
- > Toxic to aquatic organisms. May cause long term adverse effects in the aquatic environments.
- > Do not empty into drains.

SAFETY

- > Good working practice should be followed.

The specification and coverage rates are given in good faith and are based on our experience and knowledge but without liability.

As Britannia Paints Limited has no direct control over the methods employed by the user in applying its products, any warranty either written or implied is given in good faith and can only cover the material itself.

FURTHER INFORMATION

There is a code of practice from FerFA (the Resin Flooring Association) - Guide to the specification and application of synthetic resin flooring on www.ferfa.org.uk which can be consulted for general advice on preparation of substrates.

If in doubt regarding any of the above points, please contact our technical services department for advice.

A Material Safety Data Sheet is available on request.

It is the users responsibility to ensure that this data sheet is current prior to using the product.



Certificate Number 8516
ISO 9001



Unit 7/8 King Street Trading Estate, Middlewich, Cheshire CW10 9LF
T: 01606 834015 F: 01606 837006 E: sales@britanniapaints.co.uk www.britanniapaints.co.uk

Version 3 / Feb 2018