

FS Epoxy Coating HB
Extra high build epoxy coating with enhanced wearability – Solvent Free

TECHNICAL DATA SHEET

USES

FS Epoxy Coating HB is suitable for use where a hard wearing, dust free, hygienic, easy to clean floor topping is required. It is very widely used on industrial or commercial floors in laboratories, showrooms, schools, plant rooms and food processing areas etc.,

DESCRIPTION

FS Epoxy Coating HB is based on a blend of epoxy resin and curing agent binder, giving a very low odour. The product is supplied as two components, the epoxy resin component being pigmented. FS Epoxy Coating HB has been formulated using fillers, giving high abrasion resistant properties.

ADVANTAGES

1. Solvent free -giving a low odour system suitable for use in food industries.
2. Hygienic - provides easy to clean, dust free surfaces.
3. Good chemical resistance.
4. Choice of colours.
5. Hard wearing, good abrasion resistance, withstands foot and light vehicular traffic.

TECHNICAL DATA

Usable time (1.0kg mix) at 20°C	-	30 minutes
Minimum application temperature	-	5°C
Initial cure (foot traffic)	-	24 hours
Full cure	-	7 days
Dry film thickness	-	150 – 200 microns
Shelf life	-	12 months
Storage temperature	-	5°C - 35°C
Mixed S.G.@ 20°C	-	1.30 – 1.40

CHEMICAL RESISTANCE

FS Epoxy Coating HB is resistant to a very wide range of chemicals, but we recommend that any specific chemical resistance properties should be cleared with our Technical Department before use.

COLOUR RANGE

FS Epoxy Coating HB is available in a wide range of colours.

See our website : <https://www.electroguardpaint.com/en/home/>

Non-standard colours are available for an extra charge of between 5 – 20%.

SURFACE PREPARATION

New concrete should be at least 21 – 28 days old or the moisture content less than 5%.

The substrate should be clean, free from laitance, oil, grease, or other agents that might impair adhesion.

Techniques could include one or more of the following, depending on how contaminated the substrate is: - acid etching, light mechanical scabbling, blasting, grinding or degreasing.

PRIMING

Priming is especially recommended on surfaces, which are very porous. Low viscosity FS Epoxy Prime should be used, as this will provide maximum adhesion.

FS Epoxy Coating HB should be mixed in the proportions supplied, add the entire contents of curing agent B into the resin component A, when thoroughly mixed, preferably using a slow speed drill, the primer should be applied in a thin, continuous film using a roller or brush. Work the primer well into the surface of the concrete taking care to avoid puddling or over application. Please note very porous substrates may require two coats of primer.

APPLICATION

Apply by brush or roller; re-coating should take place as soon as possible to achieve good intercoat adhesion properties, preferably on the following day. If more than one day elapses between coats, abrade the surface lightly before re-coating. We would normally recommend two coats of FS Epoxy Coating HB for long-term protection and to gain the required thickness.

MIXING

Add the full contents of curing agent component B to the contents of resin component A and mix thoroughly until an even colour is obtained.

COVERAGE

A 5.0kg unit of FS Epoxy Coating HB will cover approximately 15 - 18m².

Please note: Porous surfaces, very light colours and pastel shades may require extra coats.

CLEANING

FS Tool Cleaning Solvent should be used for cleaning tools – do not use on hands.

HEALTH & SAFETY

It is recommended that barrier creams, gloves and protective clothing be worn when using FS Epoxy Coating, FS Epoxy Primer and FS Tool Cleaning Solvent.

If eyes are affected wash with copious amounts of cold water and seek medical advice. For hands, wash with soap and water.

For full details see separate Health & Safety Data Sheet.

OTHER INFORMATION

All First Solution Supplies products' are manufactured to a high standard of quality. Whilst we aim to ensure that any advice, information or recommendations given are reliable and correct the Company cannot accept any liability, directly or indirectly, arising from the use of its products, as we have no direct or continuous control over where or how its products are applied. No undertaking can be given against infringement of any patented processes.

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