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## TECHNICAL DATA SHEET FLOORGUARD HI-BUILD

### Description

Robex Floorguard Hi Build is a solvent free epoxy resin with very low odour. This system is the ultimate floor coating and can be applied at 200-1000 microns. It is widely used for industrial and commercial floors, laboratories, water treatment plants, food processing areas, breweries, sewage plants, dairies, schools, etc.

### Preparation

All surfaces should be clean, free from laitance, oil, grease or any other agents that may impair adhesion. All cementitious substrates must be protected by an adequate and effective DPM and have a maximum residual moisture content of 5%.

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

Dense and old concrete surfaces may require mechanical preparation to allow good adhesion.

#### Coating Galvanized Iron and Zinc/Aluminium and its Alloys

Special preparation is required for these surfaces depending on the age and condition. Please refer to our technical department before applying any Robex coating to this type of surface.

### Mixing Ratio

Mixing ratio: Three parts base : One part Reactor by weight (or one unit base : one unit reactor as supplied).

### Flash Point

100°C.

### Pot Life

60 minutes at 20°C.

**NB Prior to use, Floorguard Hi Build should be stored below 20°C. Failure to do so will shorten the pot life considerably.**

### Curing Time

Touch dry after 16 hrs @ 18°C after 24 hours pedestrian traffic is acceptable.

For vehicle, fork lift trucks etc. Hi Build should be left for 4/7 days to achieve maximum strength.

The initial cure will take place after approximately 24 hours.

Full Cure will be achieved after 7 days.

### Application

The product is normally a one-coat application in the case of very porous or uneven surfaces two coats may be required, or alternatively prime the surface with Robex All Purpose Primer.

Mix the base and reactor for 5 minutes, the use of a paddle head mixer on a slow speed drill is desirable.

Application can be by brush or roller. The system can be applied in one coat or multiple coats. To ensure good inter-coat adhesion re-coat the following day, if more than one-day elapses between coats abrade the surface slightly before re-coating.

#### **Hi Build Non Slip**

The heavy build and coarse aggregates should be sprinkled into wet coating by hand. Alternatively use a plastic container with holes drilled in the lid. The fine aggregate can be mixed with the coating and applied by brush or used in the same way as the coarse and heavy build.

### Minimum Cure Temperature

5°C. When using the primer allow 16 hours prior to over coating with Hi Build.

### Coverage

A 5kg unit will cover approximately 20 sq mtrs at 250 microns.

**Storage Life**

Floorguard Hi Build should be stored between temperatures of 5°C and 30°C. In these conditions it has a shelf life in excess of 12 months.

**Cleaning**

To clean brushes, equipment, contaminants, etc., we recommend the use of Robex All Purpose Cleaner.

Statements made herein regarding the capabilities and performance of this product are expressions of the company's expectations based on field experience. To the best of our knowledge this information is reliable and accurate, however, the buyer must rely on his own skill and judgement in assessing suitability to the application. Robex accepts no liability for losses howsoever incurred arising from the Buyer's use of this product.