

HI-BOND ES21

DESCRIPTION

ES21 is a high performance epoxy screed, having excellent adhesion, strength and chemical resistance qualities when applied to concrete. ES21 is suited to applications within food factories, breweries, engineering, chemical plants, loading bays etc. and comes in various colours.

ADVANTAGES

Strength	ES21 has strengths far in excess of concrete in compressive tensile and flexural strengths.
Adhesion	The bond strength is excellent, provided that the substrate has been properly prepared.
Chemical resistance	Excellent against acids, alkalis and general industrial chemicals.
Life Span	Greater than expected for most modern buildings and should not require attention during this period.

TYPICAL TEST DATA

S.G.	2.05
Volume Solids	100%
Pot Life (at 20 °C)	45 minutes
Application temperature	5°C to 30°C
Foot traffic (at 20°C)	24 hours
Full cure (at 20°C)	7 days

Chemical resistance:-

Hydrochloric Acid	10%
Nitric Acid	10%
Sulphuric Acid	50%
Phosphoric Acid	50%
Acetic Acid	10%
Citric Acid	10%
Sodium Hydroxide	50%
Ammonia	10%

Petrol, Oil, Kerosene, Skydrol

For further information contact our technical department.

SURFACE PREPARATION AND PRIMING

The efficiency of the ES21 is dependent on the preparation and priming of the substrate. EP1 should be used.

Once mixed, this should be applied to the substrate and brushed well in. The ES21 should be applied between 15 minutes and 3 hours after priming whilst the primer is still tacky.

MIXING AND APPLICATION

The ES21 hardener should be added to the resin and mixed until homogeneous before adding the mix to the aggregate. The whole should then be mixed until a uniform consistency is obtained in a forced action mixer. The ES21 is then applied to the primed floor and spread evenly to the required thickness and trowelled with a steel trowel to obtain a uniform surface.

COVERAGE RATE

The coverage rate will be affected by the profile of the substrate and thickness of the screed.

PACKAGING

ES21 is a three pack epoxy system packed in 29 kg units.

STORAGE

Store in sealed containers between 5°C and 30°C.

CLEANING

HiSolve should be used for cleaning tools, etc.

HEALTH AND SAFETY

See separate Health and Safety Data Sheet.

WARRANTY DISCLAIMER

The technical data herein has been compiled for your help and guidance and is based upon our experience. As we have no control over the use to which our information is put, no warranty, expressed or implied is intended or given and we cannot be held responsible for coverage, performance or any damages incurred.

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