

# HI-BOND ES22

## DESCRIPTION

ES22 is a high performance epoxy resin screed having excellent adhesion, strength and chemical resistance qualities when applied to concrete. ES22 is suited to applications where a decorative floor is required.

## ADVANTAGES

<b>Strength</b>	ES22 has strengths far in excess of concrete in compressive tensile and flexural strengths.
<b>Adhesion</b>	The bond strength is excellent, provided that the substrate has been properly prepared.
<b>Chemical resistance</b>	Excellent against acids, alkalis and general industrial chemicals
<b>Life Span</b>	Greater than expected for most modern buildings and should not require attention during this period.

## TYPICAL TEST DATA

S.G.	2.05 depending on aggregate
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%
Lactic Acid	10%
Citric Acid	10%
Sodium Hydroxide	50%
Ammonia	10%
Oil, Petrol, Kerosene and Skydrol	

## SURFACE PREPARATION AND PRIMING

The efficiency of the ES22 is dependant 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 ES22 should be applied between 15mins and 3 hours after priming whilst the primer is still tacky.

## MIXING AND APPLICATION

The ES22 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 ES22 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 dependent upon the thickness of the final surface

## STORAGE

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

## PACKAGING

ES22 is a three pack epoxy system packed in 25 kg units depending on aggregate used.

## CLEANING

HiSolve should be used for cleaning tools etc.

## HEALTH & SAFETY

See separate Health and Safety Data Sheet.

## WARRANTY DISCLAIMER

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