

# SPECbuild PRIMER E1

EPOXY RESIN BONDING AGENT FOR CEMENTITIOUS MATERIALS

## DESCRIPTION

**SpECbuild Primer E1** is a two-part epoxy resin bonding agent used to produce a high quality bond between existing concrete surfaces and subsequently applied cementitious or epoxy based materials.

## TYPICAL USES

**SpECbuild Primer E1** may be applied onto clean, sound substrates to promote a high strength bond to cementitious materials such as in the following situations:

- Concrete repair applications
- Bonding of floor screeds
- Bonding newly poured concrete to existing concrete

## ADVANTAGES

- High mechanical strength
- Produces a bond that exceeds the cohesive strength of the concrete
- Provides an impervious barrier to the passage of chlorides
- Solvent free

## TECHNICAL DATA

**Typical results after 7 days @ 20°C**

### Compressive strength

**(BS 6319: Pt 2)** 50 N/mm<sup>2</sup>

### Slant Shear strength

**(BS 6319: Pt 4)** 40 N/mm<sup>2</sup>

**Typical results @**      **20°C**              **30°C**

**Pot life**                      6 hrs                      3 hrs

**Max. overlay time**      20 hrs                      10 hrs

**Initial hardness**        48 hrs                      24 hrs

**Full cure**                    7 days                      7 days

## APPLICATION

### Preparation

It is essential that adequate preparation is carried out prior to the application of **SpECbuild Primer E1**.

The prepared surface should be free from laitance, dust, algae, oil and grease.

### Mixing

**SpECbuild Primer E1** is supplied in a two component kit, consisting of a base component and a curing agent.



Both of the components should be briefly stirred to ensure that any settlement products are fully suspended.



The entire contents of the curing agent should be emptied into the base component, ensuring that the sides of the curing agent tin are carefully scraped to remove all the material.

The combined materials should then be mixed using a suitable slow-speed drill and mixing paddle for 2 minutes until uniform. The sides of the tin should then be scraped and mixing should continue for a further 2 minutes.

### Application

The mixed product may be applied by brush. The theoretical consumption rate is 5 m<sup>2</sup>/litre.

