



# INSTRUCTIONS FOR USE

Issue No: 002

May 2012

## Sikagard® 62

### 2 Part Epoxy Protective Coating

#### DESCRIPTION

Sikagard® 62 is a 2 pack solvent-free high build coating based on epoxy resin. Available in Light Grey and Light Green colours

#### SUBSTRATE PREPARATION

Proper surface preparation is essential in order to ensure the high adhesive properties of Sikagard® 62. The substrate must be clean, dry and free of all contaminants such as dirt, oil, grease, efflorescence, algae, moss, existing surface treatments and coatings, etc.

Cementitious substrates must be sound (compressive strength greater than 25N/mm<sup>2</sup> with a minimum pull off strength of 1.5N/mm<sup>2</sup>)

Concrete substrates must be prepared mechanically using abrasive blast cleaning or scarifying equipment to remove cement laitance and achieve an open textured surface. Weak concrete or unsound screeds/renders must be removed and surface defects such as blow holes. Surface defects such as blowholes/voids must be fully exposed.

Suitable mechanical methods, abrasive blast cleaning, high pressure water jetting at sufficient pressure and volume, scabbling, needle gunning and chipping may be appropriate

All metallic surfaces must also be free of corrosion products. Steel substrates must be prepared by blast cleaned to ISO 8501-1 SA2.5.

#### MIXING

Sikagard® 62 is supplied in pre weighed containers

Prior to mixing stir Part A mechanically. When all of Part B has been added to Part A, continuously mix for 3 - 5 minutes until a uniform mix has been achieved with no visible colour streaks.

Sikagard® 62 must be mixed using an electrically powered low speed stirrer (300 - 400rpm)

Over mixing must be avoided to reduce air entrapment.

Application is made easier if Sikagard® 62 containers have been stored at 15°C - 23°C prior to mixing

#### APPLICATION

Sikagard® 62 maybe applied by brush or short pile solvent resistant roller.

Prior to application ensure that the substrate is at least 3°C above the dew point to reduce the risk of condensation or 'blooming' of the coating

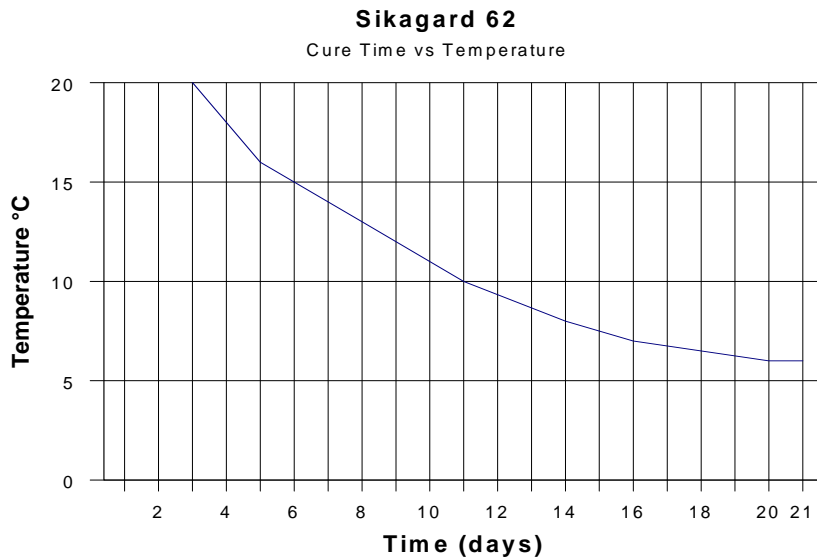
The first 'primer' coat should be brush applied to ensure 'wetting out' of the substrate. Apply a minimum of 2 coats with recoating only when the previous coat can still be clearly pressed in with a finger nail.

As a guide: Over coating waiting times

Substrate Temperature	Minimum	Maximum
+ 10°C	30 hours	3 days
+ 20°C	10 hours	2 days
+ 30°C	6 hours	1 day

Freshly applied Sikagard® 62 must be protected from damp, condensation and water for at least 24 hours

## RETURN TO SERVICE INSTRUCTIONS



On completion of the final application of **Sikagard® 62**, the system must be cured to a period defined by the temperature v time cure graph below before returning to service. The required cure time may be calculated from the minimum daily temperature recorded by the water companies representative, or if no records are kept, 21 days.

The **minimum** temperature of curing is 7°C  
Daily temperatures must be recorded at the site of application.

At the conclusion of the works and prior to returning to service, the **Sikagard® 62** must be thoroughly washed down with clean water.  
A water spray of 5 – 10 litres /m<sup>2</sup> of coated surface would be considered adequate.  
Additional disinfection maybe required at the direction of the Water Undertakers Standard procedures, typically taking into account the Industry publication Principles of Water Supply Hygiene and relevant TGN's  
A chlorination solution of 20mg/ltr would be considered suitable

### CLEANING

Cleaning operations must be carried out, outside of the potable water containment areas  
Clean all tools and equipment with **Thinner C** before the resin has cured.

### STORAGE / SHELF LIFE

12 months from the date of production if stored in original undamaged and sealed containers in dry conditions at temperatures between + 5°C and + 30°C  
Product containers are labelled with Use before date.

### SAFE HANDLING

Product safety data sheets are available for **Sikagard® 62**  
The product safety data sheets provide information as to disposal of product waste and packaging.

The advice contained on safe handling must be considered and appropriate personnel protection made available to operatives using the products.

**Sika Ltd, Watchmead, Welwyn Garden City, Herts AL7 1BQ Telephone: (01707) 394444**