



# Sigunit® Powder

## Sika Set Accelerator for Gunitite & Shotcrete

### Technical Data Sheet

#### DESCRIPTION

**Sigunit Powder** is a quick setting and waterproofing powder for use with sprayed concrete or Gunitite.

**Sigunit Powder** allows spraying to take place even on wet surfaces subjected to water infiltration. The admixture improves overhead spraying and reduces rebound.

**Sigunit Powder** does not contain any chlorides or nitrates and will not corrode steel.

**Sigunit Powder** has been used since 1933 successfully around the world.

#### USES

- \* Accelerator for Sprayed concrete and Gunitite with a proven track record.

#### ADVANTAGES

- \* By incorporating set accelerator to the Gunitite or Shotcrete, faster execution of the application can be achieved, allowing a quicker access to the work area without the risk of collapse.
- \* Reduction in rebound
- \* Less dust in atmosphere
- \* Ability to stop leaking water
- \* Reduction in cement content
- \* Increase in Early Strength

#### Technical Data (typical)

<b>Form:</b>	Powder
<b>Colour:</b>	White
<b>Bulk Density:</b>	0.70 Kg/litre
<b>Chloride Content % w/w:</b>	Nil
<b>Effect on Setting:</b>	Accelerating

All above values are approximate.



## METHOD OF USE

The required amount of **Sigunit Powder** can be mixed with a dry sand cement or gravel sand cement mixture. Large quantities of dry mix can be prepared and stored if protected against moisture.

## DISPENSING

**Sigunit Powder** can be dispensed with a powder doser. Doseage rates are usually between 3–7%.

## EFFECTS OF OVER-DOSING

Faster set and reduced ultimate strength

## COMPATIBILITY

**Sika Admixtures:** All  
**Cements:** All

## IMPORTANT NOTES

As the set is rapid, test samples must be taken from sprayed concrete; compaction by hand will destroy the initial set.

## PACKAGING

Refer to latest price list

## STORAGE AND SHELF LIFE

Minimum 1 year in sealed containers stored in dry warehouse condition (+5°C – +25°C). Protect from frost.



### Handling Precautions

Sika products are generally harmless provided that certain precautions normally taken when handling chemicals are observed. The materials must not, for instance, be allowed to come in contact with foodstuffs or food utensils and measures should also be taken to prevent the uncured materials from coming in contact with the skin, since people with particularly sensitive skin may be affected. The use of protective clothing, goggles, barrier creams and rubber gloves is required. The skin should be thoroughly cleaned at the end of each working period either by washing with soap and warm water or by using a resin-removing cream - the use of powerful solvents is to be avoided. Disposable paper towels - not cloth towels - should be used to dry the skin. Adequate ventilation of the working area is recommended. In case of accidental eye or mouth contact, flush with water - consult a doctor immediately. Health and Safety information on Sika Products is available and we strongly advise that this is read prior to their use. Sika products are for professional use and should be stored in sealed containers away from the reach of children.

### Important Note

The information, and, in particular, the recommendations relating to the application and end-use of Sika products, are given in good faith based on Sika's current knowledge and experience of the products when properly stored, handled and applied under normal conditions. In practice, the differences in materials, substrates and actual site conditions are such that no warranty in respect of merchantability or of fitness for a particular purpose, nor any liability arising out of any legal relationship whatsoever, can be inferred either from this information, or from any written recommendations, or from any other advice offered. The proprietary rights of third parties must be observed. All orders are accepted subject to our current terms of sale and delivery. Users should always refer to the most recent issue of the Technical Data Sheet for the product concerned, copies of which will be supplied on request.

**Please consult our Technical Sales Department for further information**

SIKA LIMITED

Watchmead, Welwyn Garden City, Hertfordshire, AL7 1BQ

Tel: 01707 394444 Email: sika@uk.sika.com

Fax: 01707 329129 www.sika.com

