



Sigunit[®] 49AF

Alkaline Free Powder Accelerator

Technical Data Sheet

DESCRIPTION

Sigunit 49AF is an alkaline free powder accelerator for use in sprayed concrete operations. It can be used in wet or dry spray applications.

Sigunit 49AF is manufactured in the UK by Sika under strict quality control.

Sigunit 49AF is used in NATM shotcrete, tunnel construction, rock stabilisation, large volume repairs and general shotcrete construction.

Sigunit 49AF is compatible with many other Sika products.

ADVANTAGES

Sigunit 49AF provides the following benefits:–

- * Alkali and toxic free
- * No corrosive effect from airborne dust particles
- * No loss in adhesion of the accelerated concrete
- * No reduction in early or ultimate strength development
- * Reduction in rebound
- * Minimal handling precautions with no caustic effects
- * Can be used with low fines content mixes
- * Can produce high strength shotcrete
- * Improves durability

Technical Data (typical)

Form:	Alkaline free powder
Colour:	Light brown
Density:	0.90 approx

All above values are approximate.



DOSAGE

The dosage rate of **Sigunit 49AF** will vary depending on the required proportions. Dosage ranges from 3% – 7% by weight of cement. Dosage should be established by site trials.

PACKAGING

Sigunit 49AF is supplied in 25 Kg bags.

STORAGE AND SHELF LIFE

In closed, undamaged original containers, protected from frost, high humidity, rain and frost, a minimum of 12 months shelf life can be expected.



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

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