

PRODUCT DATA SHEET

SikaTard®-990 IP

Hydration Controlling Admixture

DESCRIPTION

SikaTard®-990 IP is an admixture developed for the control of cement hydration. SikaTard-990 IP facilitates stabilisation of concrete mixes for long periods without negatively influencing their quality.

USES

SikaTard®-990 IP is mainly used in:

- Wet and dry spray shotcrete applications.
- Where the prevention of cement hydration of concrete is required.
- Where mixed concrete requires stabilisation.

CHARACTERISTICS / ADVANTAGES

- SikaTard®-990 IP blocks cement hydration.
- Does not contain chlorides or materials promoting steel corrosion.
- Can be accelerated with Sigunit® accelerators at any time without loss of quality.

PRODUCT INFORMATION

Composition	Liquid solution of polycarbonic acid salts
Packaging	Bulk deliveries 205 litre drums 10 litre pails
Shelf life	Stored at temperatures between 5°C and 35°C in unopened original containers protected from direct sunlight and frost, shelf life is one (1) year.
Storage conditions	Store at temperature between 5°C and 35°C, protected from the direct sunlight.
Appearance and colour	Garnet red liquid
Density	Approximately 1.1 g/cm ³
Recommended dosage	Depending on the required retardation time, 250-2000 mls/100 kg of cement.
Dispensing	SikaTard-990 IP is added to the mix at the batching plant together with the gauging water.
Compatibility	SikaTard®-990 IP may be combined with many other Sika® Concrete products. SikaTard-990 IP is generally suitable for all types of Portland Cement. Note: Always conduct trials before combining products in specific mixes and con-

BASIS OF PRODUCT DATA

All technical data stated in this Product Data Sheet are based on laboratory tests. Actual measured data may vary due to circumstances beyond our control.

FURTHER INFORMATION

Concrete produced with SikaTard®-990 IP is transported by transmixers to the work site. During the shotcreting in the wet-process, Sigunit accelerator is added at the spray nozzle to initiate fast setting. In the dry spray shotcreting process, Sigunit accelerator is added at the nozzle.

IMPORTANT CONSIDERATIONS

Laboratory trials shall be carried out before concreting on site.

ECOLOGY, HEALTH AND SAFETY

For information and advice on the safe handling, storage and disposal of chemical products, users shall refer to the most recent Safety Data Sheet (SDS) containing physical, ecological, toxicological and other safety-related data.

LOCAL RESTRICTIONS

Please note that as a result of specific local regulations the declared data for this product may vary from country to country. Please consult the local Product Data Sheet for the exact product data.

LEGAL NOTES

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 accordance with Sika's recommendations. 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 user of the product must test the product's suitability for the intended application and purpose. Sika reserves the right to change the properties of its products. The proprietary rights of third parties must be observed. All orders are accepted subject to our current terms of sale and delivery. Users must always refer to the most recent issue of the local Product Data Sheet for the product concerned, copies of which will be supplied on request.

Sika Australia Pty Limited
ABN 12 001 342 329
aus.sika.com
Tel: 1300 22 33 48

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