



Sika® TI Powder

Super Plasticiser

Technical Data Sheet

DESCRIPTION

Sika TI Powder is a powdered super plasticiser. It is based on melamine formaldehyde blended with lignosulphonate powder.

USES

- * Enhances the properties of concrete.
- * Excellent flowability and optimal cohesion.
- * High water reduction.
- * Good early strengths.

ADVANTAGES

- * High water reduction, resulting in high density and strengths.
- * Excellent flowability, resulting in highly reduced placing and compacting efforts.
- * Increased early strength development.
- * Reduced shrinkage.
- * Reduces rate of concrete carbonation.

Technical Data (typical)

Form:	Powder
Colour:	White
Density:	~0.75 kg/litre
Dosage % by wt of cement:	0.10 - 1.0
Air Entrainment:	Slight
Chloride Content % w.w:	<0.01
Effect on setting:	Slight. Accelerates if used as water reducer

All above values are approximate.



METHOD OF USE

Sika TI Powder can be blended with the cement for bagged or bulk production.

DISPENSING

Please contact our Technical department for specialist advice.

EFFECTS OF OVER-DOSING

Sika TI Powder can retard at very high dosages.

COMPATIBILITY

Sika Admixtures: All
Cements: All

IMPORTANT CONSIDERATIONS

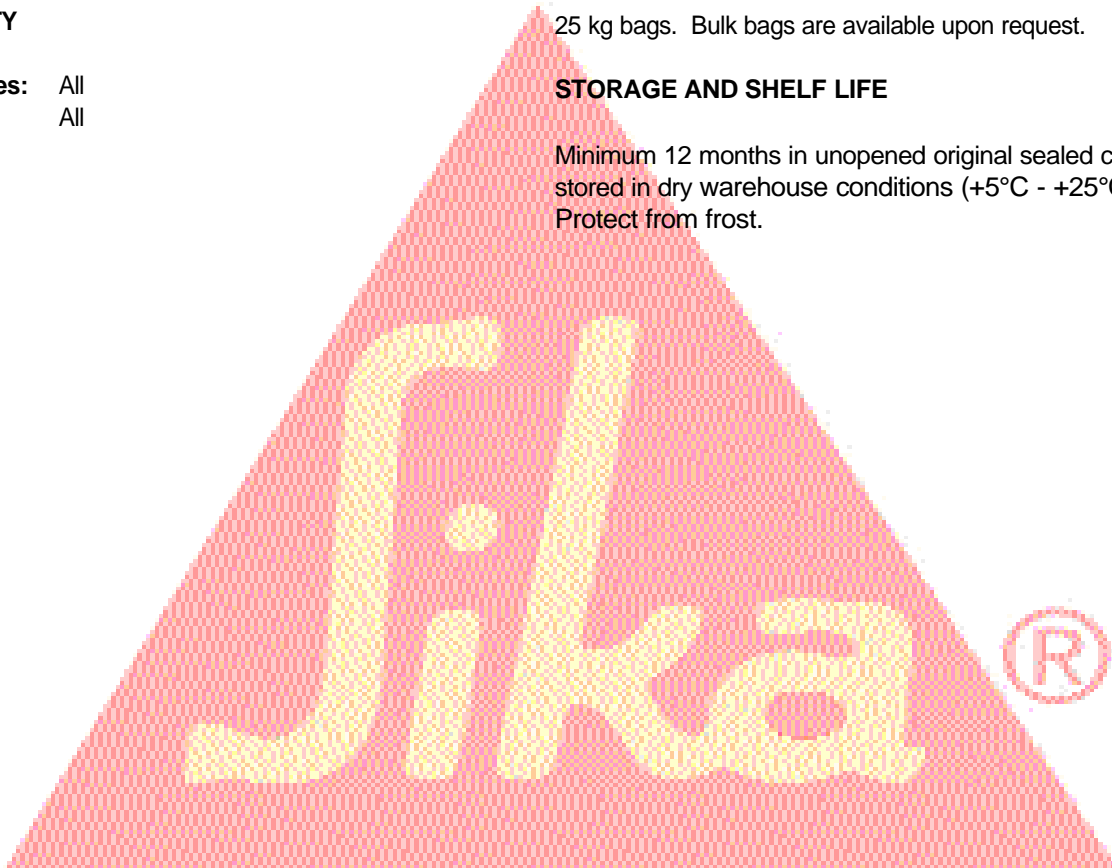
- ★ **Sika TI Powder** should be trialled to establish optimum performance. Sika Technical Services are available to assist with this task.
- ★ **Sika TI Powder** does not contain chloride or other, steel corrosion promoting ingredients. It may therefore be used without any restrictions for reinforced- and prestressed- concrete construction.

PACKAGING

25 kg bags. Bulk bags are available upon request.

STORAGE AND SHELF LIFE

Minimum 12 months in unopened original sealed containers stored in dry warehouse conditions (+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

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