

PRODUCT DATA SHEET

Sika® Plastiment-25 TM PH

WATER-REDUCING AND SET-RETARDING CONCRETE ADMIXTURE

DESCRIPTION

A concrete plasticizer specially designed for Roller Compacted Concrete (RCC) structures.

USES

Sika® Plastiment-25 TM PH is used in structural and mass concrete where long setting times and improved workability are required, such as projects with:

- Large pours, to prevent formation of cold joints in RCC dams etc.
- Long travel times from the concrete plant to the site
- Difficult placing conditions and detail
- High ambient temperature

CHARACTERISTICS / ADVANTAGES

In Fresh State

- Initial setting is delayed allowing time for proper placement and compacting new layer over the retarded RCC, without cold joint
- Decrease the mortar of concrete bonding volume
- Increase the time available to re-compacting the concrete without damaging the material. After their initial set heavytransits candamage the newlyhydratedRCC
- Increase of the cement efficiency
- Diminish the rate of initial heat generation

In Hardened State

- Increase the mechanical strengths in any weather conditions
- Diminish the heat generation and the cracking risk
- Increase the density of the RCC

PRODUCT INFORMATION

Chemical Base	Blend of organic substances
Packaging	210 L/drum, 1,000 L/bulk
Appearance / Colour	Brown Liquid
Shelf Life	Min. 1 year if stored properly in original unopened packing
Storage Conditions	Store in dry, cool, shaded place.
Specific Gravity	1.180 - 1.210 kg/L
Total Chloride Ion Content	Nil
Concreting Guidance	All Portland cement Cement Types including sulfate resistant cement
Recommended Dosage	0.5-4.0 L/100 kg of cementitious binder
Compatibility	Possible to combine with all Sikament®, Sika® AER, but must be added separately to the mix and not premixed prior addition.
Dispensing	Sika® Plastiment-25 TM PH is either added to the gauging water prior to its addition to the dry concrete mix or added separately to wetted concrete mix, further mixing should take place for at least 1 minute per m3.

Restrictions

Trial mixes are recommended to establish exact dosage rates required to suit individual requirements. If assistance is required, please contact the Sika Technical Service Department.

- Accurate dispensing equipment should be used
- Use an appropriate mixer and do not mix by hand

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.

LOCAL RESTRICTIONS

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

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.

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 Philippines Inc.

888 Marcos Alvarez Ave.,
Talon V, Las Piñas City, Philippines 1747
Tel. No.: +63 2 8806-2875
Fax. No.: +63 2 8806-2883
Website: phl.sika.com