

## PRODUCT DATA SHEET

## Sika® Plastiment® SD-6

Semi-Dry precast concrete admixture

## DESCRIPTION

Sika® Plastiment® SD-6 is a liquid admixture, based on a blend of synthetic and refined natural materials, which improves compaction and hydration of semi-dry concrete mixtures.  
Suitable for use in tropical and hot climatic conditions.

## USES

Sika® Plastiment® SD-6 is used in the semi-dry precast manufacturing process of:

- Screen blocks
- Concrete bricks
- Concrete blocks
- Paving blocks
- Terrazzo tiles
- Concrete posts

## CHARACTERISTICS / ADVANTAGES

Sika® Plastiment® SD-6 provides the following:

- Efficient cement dispersion and hydration permitting maximum economy
- Increased 24 hours and 28 days strengths
- Less damages due to early age handling
- Vibration and compaction are more efficient leading to reductions in equipment wear
- Increased density
- Reduced permeability
- Improved waterproofing
- Reduction / elimination of efflorescence
- Better surface finish
- Improved visual quality

## APPROVALS / STANDARDS

Sika® Plastiment® SD-6 is manufactured under a management system certified to conform to the requirements of: ISO 9001, ISO 14001 and OHSAS 18001.

## PRODUCT INFORMATION

|                            |                                                                                                                                                             |
|----------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Chemical Base              | Blend of synthetic and refined natural materials                                                                                                            |
| Packaging                  | 200 L drum, 1000 L flowbin                                                                                                                                  |
| Appearance / Colour        | Opaque whitish liquid                                                                                                                                       |
| Shelf Life                 | 12 months from date of production if stored properly                                                                                                        |
| Storage Conditions         | Store in undamaged, unopened, original sealed packaging in dry conditions at temperatures between +5 °C and +45 °C. Protect from direct sunlight and frost. |
| Density                    | ~1.005 kg/l (+25 °C)                                                                                                                                        |
| Total Chloride Ion Content | Nil (EN 934-2)                                                                                                                                              |

## TECHNICAL INFORMATION

|                            |                                                                                                                                                                                                                                                                                                                                                                       |
|----------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Concreting Guidance</b> | The standard rules of good concreting practice for production and placing must be observed when using Sika® Plastiment® SD-6 in concrete. Refer to relevant standards.<br>Fresh concrete must be cured properly especially at high temperatures in order to prevent plastic and drying shrinkage. Use Sika® Antisol® products as a curing agent or apply wet hessian. |
| <b>Concrete Mix Design</b> | Retain normal water quantities, but reduce the cement content by 5 - 10 %                                                                                                                                                                                                                                                                                             |

## APPLICATION INFORMATION

|                           |                                                                                                                                                                                                                                                                                                        |
|---------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Recommended Dosage</b> | 0.2 - 0.5 % by weight of binder.<br>Trial mixes must be performed to establish the exact dosage rate required for the mix design, raw materials and climatic conditions.                                                                                                                               |
| <b>Dispensing</b>         | Sika® Plastiment® SD-6 is added to the gauging water or simultaneously poured with it into the concrete mixer at the batching plant.<br>Do not add Sika® Plastiment® SD-6 directly to the dry mix.<br>For optimum utilization we recommend thorough mixing at a minimum wet mixing time of 60 seconds. |

## 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.

## LIMITATIONS

If frozen and/or if precipitation has occurred, Sika® Plastiment® SD-6 may only be used after thawing slowly at room temperature and intensive mixing. When using Sika® Plastiment® SD-6 a suitable concrete mix must be designed for the local material sources and should be trialed. When accidental overdosing occurs the set retarding effect and workability may increase. Additional air may also be entrained. During this period the concrete must be kept moist in order to prevent premature drying out.

## 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 performance of this product may vary from country to country. Please consult the local Product Data Sheet for the exact description of the application fields.

## 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. It may be necessary to adapt the above disclaimer to specific local laws and regulations. Any changes to this disclaimer may only be implemented with permission of Sika® Corporate Legal in Baar.

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### **PRODUCT DATA SHEET**

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