

PRODUCT DATA SHEET

SikaPlast®-1414 PR

High efficient Plasticizer

DESCRIPTION

SikaPlast®-1414 PR is the latest development of Plasticizer for concrete. It meets the requirements for water reducing plasticizers.

USES

SikaPlast®-1414 PR is a unique multipurpose plasticiser that is particularly suitable for the production of ready mixed concrete. Additionally it provides water reduction and improved fresh concrete characteristics. With its outstanding cost / performance SikaPlast®-1414 PR is used for the following:

- A wide range of applications where excellent workability is requested
- Water reduced concrete

CHARACTERISTICS / ADVANTAGES

SikaPlast®-1414 PR is a powerful plasticiser based on advanced technology which gives the following advantages:

- water reduction, resulting in improved density, improved strength
- Less sensitive against variations in aggregates and / or different cement types
- High efficiency even at low dosage rates
- Superior plasticising effect, resulting in improved slump, placing and compaction

APPROVALS / STANDARDS

IS 9103, ASTM C494

PRODUCT INFORMATION

Chemical base	Polycarboxylates Ether
Packaging	230kg drum and bulk supply
Appearance / Colour	Light brown liquid
Shelf life	12 months from date of production
Storage conditions	The Product must be stored in original, unopened and undamaged sealed packaging in dry conditions at temperatures between +10 °C and +40 °C. Protect from direct sunlight and frost. Always refer to the packaging. Frost: If frozen or if precipitation has occurred, the Product may be used after thawing slowly at room temperature and intensive mixing.
Density	~1.03 kg/l at 25°C
pH-value	≥6

APPLICATION INFORMATION

Recommended Dosage

0.2 % to 2% b. w. o. cementitious. Optimum dosage has to be finalized through site trials. Stir well before use.

SYSTEM INFORMATION

Compatibility

The Product is compatible with most of the Sika products. The Product is compatible with all standard cement types and cementitious materials. Always conduct trials before combining different products. Contact Sika Technical Services for additional information.

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.

IMPORTANT CONSIDERATIONS

When using SikaPlast®-1414 PR a suitable mix design has to be taken into account and local material sources shall be trialled. SikaPlast®-1414 PR shall not be added to dry cement. Excessive water addition, overdosing, changes in aggregates properties, cement properties, cementitious materials properties may cause bleeding, segregation issue, workability or setting issues.

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 Material Safety Data Sheet containing physical, ecological, toxicological and other safety-related data.

APPLICATION INSTRUCTIONS

DISPENSING

SikaPlast®-1414 PR is added to the gauging water or added with it into the concrete mixer. To take advantage of the high water reduction, a wet mixing time, which is depending on the mixing conditions and mixer performance, of at least 60 seconds is recommended.

To avoid excess water in the concrete, the final dosage must begin only after 2/3 of the wet mixing time.

LOCAL RESTRICTIONS

Note that as a result of specific local regulations the declared data and recommended uses for this product may vary from country to country. Consult the local Product Data Sheet for exact product data and uses.

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 India Pvt. Ltd.

620, Diamond Harbour Road
Commercial Complex II
Kolkata - 700 034
West Bengal, India

Contact:

Phone: +91 33 2447 2448
Fax: +91 33 2397 8688
info.india@in.sika.com
www.sika.in



Product Data Sheet

SikaPlast®-1414 PR

September 2026, Version 01.01
021301011000264949

SikaPlast-1414PR-en-IN-(09-2026)-1-1.pdf