

## PRODUCT DATA SHEET

# Sika® Plastiment®-114

Water reducing and retarding admixture

## DESCRIPTION

Sika® Plastiment®-114 A liquid mid-range water-reducing retarding concrete admixture with a powerful plasticizing effect. Substantial water reduction can be achieved to promote high ultimate strengths at the high dosage range.

## USES

Sika® Plastiment®-114 can be used for high quality concrete in difficult conditions such as: High temperature; long haul; ready mix concrete and wherever high quality dense concrete is required.

## CHARACTERISTICS / ADVANTAGES

Sika® Plastiment®-114 provides the following beneficial properties:

- Long-lasting control of slump loss
- Very good for ready mix concrete plants where long haulage is required
- Improved workability without increasing water
- Reduced water without loss of workability
- Improved water tightness
- Increased ultimate strength
- Improved surface finish
- Chloride-free
- Does not attack reinforcement

## APPROVALS / STANDARDS

IS 9103, ASTM C494

## PRODUCT INFORMATION

<b>Packaging</b>	250kg Drum
<b>Appearance / Colour</b>	Light Brown Liquid
<b>Shelf life</b>	12 months from date of production if stored properly in undamaged unopened, original sealed packaging.
<b>Storage conditions</b>	Store in dry conditions at temperatures between +10°C and +40°C. Protect from direct sunlight and frost.
<b>Density</b>	~1.12 kg/l at 25°C
<b>pH-Value</b>	≥ 6

## APPLICATION INFORMATION

<b>Recommended Dosage</b>	0.5% to 2.0% by weight of cement. Higher dosage may be used if agreed by engineer and consultant Actual dosage to be finalised on the basis of site trials. Stir well before use.
<b>Compatibility</b>	Sika® Plastiment®-114 may be combined with many other Sika® products. Compatible with all types of cement and cementitious material Important: Always conduct trials before combining products in specific mixes and combinations.
<b>Dispensing</b>	Sika® Plastiment®-114 can be added into the mixing water or directly into the concrete mixer after 50 – 70% of the mixing water has been added. The addition of Sika® Plastiment®-114 to dry aggregate or cement is not recommended. To achieve optimum performance a minimum wet mixing time, which is depending on the mixing conditions and the mixer performance, of 60 seconds is recommended.

## 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

Excessive water addition or overdosing may cause bleeding or segregation.

If frozen and / or if precipitation has occurred, Sika® Plastiment®-114 may be used after thawing slowly at room temperature and after intensive mixing.

## 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.

## 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.

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**Product Data Sheet**  
Sika® Plastiment®-114  
April 2021, Version 01.01  
021303011000000883

SikaPlastiment-114-en-IN-(04-2021)-1-1.pdf