

PRODUCT DATA SHEET

Sika® Plastiment® RT 100

Set retarding water reducing admixture

DESCRIPTION

Sika® Plastiment® RT 100 is a ready-to-use, liquid admixture for producing more uniform and predictable quality concrete. Placing and finishing requirements are facilitated because this admixture retards setting time. It is designed to meet ASTM C494 requirements for Type B Retarding and Type D Water-Reducing and Retarding Admixtures.

Sika® Plastiment® RT 100 will not initiate or promote corrosion of reinforcing steel in concrete. The admixture does not contain intentionally added calcium chloride or chloride-based ingredients.

USES

Sika® Plastiment® RT 100 is recommended for use in all types of concrete where retardation of set and improved performance is desired. e.g. plain, reinforced, precast or prestressed, concrete especially where placing by pump and when enhanced finishing is desired. When air-entrained concrete is desired to further reduce segregation bleeding and permeability, Sika® Plastiment® RT 100 can be used with air entraining admixtures manufactured by Sika.

When used in conjunction with other admixtures, each admixture must be dispensed separately into the mix.

CHARACTERISTICS / ADVANTAGES

Sika® Plastiment® RT 100 used at optimum dose rate modifies the performance of concrete to provide the following:

- reduced water content for a given workability
- improving/extending workability retention when incorporate with PCE retention type of admixture
- controlled retardation - depending on the dose rate
- improved workability
- reduced segregation
- superior finishing characteristics for slabs and precast of off-form surfaces
- higher ultimate strength – both compressive and flexural

APPROVALS / STANDARDS

Sika® Plastiment® RT 100 is designed to meet ASTM C494 requirements for Type B Retarding and Type D Water-Reducing and Retarding Admixtures.

PRODUCT INFORMATION

Packaging	▪ 1000 L IBC tank ▪ Bulk delivery
Shelf Life	12 months from date of production
Storage Conditions	Store at temperatures above 5 °C, in tightly sealed original drums. If found to be frozen, thaw it and reconstitute by stirring.

APPLICATION INFORMATION

Recommended Dosage

Use at the rate of 400 ml $\pm$ 100 ml per 100 kg of cement for most concrete mixes using average concrete ingredients.
Other dosage rate of 600 ml to 800 ml can be used for concrete with requirement for extended set time.

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.

ECOLOGY, HEALTH AND SAFETY

User must read the most recent corresponding Safety Data Sheets (SDS) before using any products. The SDS provides information and advice on the safe handling, storage and disposal of chemical products and contains 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 Kimia Sdn. Bhd.

Lot 689, Nilai Industrial Estate,
71800 Nilai, Negeri Sembilan D.K.
Malaysia
Phone: +606-7991762
e-mail: info@my.sika.com
Website: www.sika.com.my



Product Data Sheet

Sika® Plastiment® RT 100
March 2025, Version 02.01
02130300000002204

SikaPlastimentRT100-en-MY-(03-2025)-2-1.pdf