

PRODUCT DATA SHEET

SikaPlast® 3-in-1 E

MULTIFUNCTIONAL NEUTRAL SET WATER REDUCER (WR-MWR-HWR)

DESCRIPTION

SikaPlast® 3-in-1 E is an advanced, true neutral set, water reducing admixture. SikaPlast® 3-in-1 E has been specifically formulated to allow variable doses to be used. At low doses as a water reducer, at mid doses as a mid-range water reducer and at high doses as a high-range water reducer.

USES

SikaPlast® 3-in-1 E is ideal for the following applications:

- As a true neutral set Water Reducing admixture used in combination with Accelerators, Retarders and Air Entrainers to produce a wide range of products and strengths, while maintaining the ability to accommodate fluctuations in temperature and set time requirements
- As a true neutral set, high performance Mid to High Range Water reducing admixture for concrete which require higher workability, optimal cost performance and a high degree of control.
- To produce everyday concrete in a wide range of workability and strength class.

FEATURES

- A single product fully capable of performing as a water reducing, Mid-range water reducing and High-range water reducing admixture.
- True neutral set characteristics, which makes SikaPlast® 3-in-1 E ideal for use as an all year round admixture and in combination with set retarders and accelerators.
- Easy mix design and production processes.
- As a single product to be used for multiple applications, from 80 mm slump to 800 mm spread concrete.

PRODUCT INFORMATION

Packaging	<ul style="list-style-type: none">▪ 1000 litre IBC▪ bulk deliveries
Shelf life	Stored at temperatures between 5° C and 35° C in unopened original containers, protected from direct sunlight and frost, shelf life is 12 months.
Storage conditions	Store SikaPlast® 3-in-1 E at temperature between 5°C and 35°C, protected from direct sunlight.
Appearance and colour	Clear liquid
Density	1.03 kg/l approximately
Recommended dosage	Typical dosage rates are <ul style="list-style-type: none">▪ Water Reducer 400 – 600 ml per 100 kg of total cementitious material▪ Mid-Range WR 600 – 900 ml per 100 kg of total cementitious material

- High-Range WR 900-2000 ml per 100 kg of total cementitious material
Optimum dosage depends on the type of concrete, site conditions, mix proportions, ingredients and desired plastic and hardened concrete properties.
Laboratory and/or field trials are essential in determining the optimum dosage.

Dispensing

SikaPlast® 3-in-1 E is added with the batching water. Never add it to a dry mix.

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

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.

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Product Data Sheet

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July 2024, Version 01.01

021301011000005622

SikaPlast3-in-1E-en-AU-(07-2024)-1-1.pdf