

PRODUCT DATA SHEET

Sika® Plastiment® VZ-1

Set retarding concrete admixture

DESCRIPTION

Sika® Plastiment® VZ-1 is a highly efficient set retarding concrete admixture.

USES

Sika® Plastiment® VZ-1 is used as retarding admixture in concrete where a controlled extension of setting time is required.

- Large volume pours
- Long haul
- Avoiding of cold joints
- Construction joints
- Difficult placing conditions
- Elevated temperature
- Revibrated concrete
- Ready mix concrete

FEATURES

Sika® Plastiment® VZ-1 provides the following beneficial properties:

- Increased setting time in hot weather
- Accelerated hardening after setting
- Increased ultimate strengths
- Long lasting control over slump loss.
- Better surface finish
- Chloride free: does not attack reinforcement

CERTIFICATES AND TEST REPORTS

ASTM C494-81 Type B , IS 9103

PRODUCT INFORMATION

Composition	Poly hydroxyl compound
Packaging	230 kg HDPE carboy
Appearance and colour	Pink Colour Liquid
Shelf life	12 months from date of production if stored properly in undamaged unopened, original sealed packaging.
Storage conditions	Store in dry conditions at temperatures between +10°C and +40°C. Protect from direct sunlight and frost.
Density	~1.11 kg/l at 25°C
pH-Value	≥ 6

APPLICATION INFORMATION

Recommended dosage	0.20 – 0.6% by weight of cement. The retardation rate achieved is directly dependent on the dosage rate which in turn is influenced by quality of cement and aggregates, w/c ratio and temperatures. It is advisable to carry out trial mixes to finalise the optimum dosage rate. Higher dosage may be used if agreed by engineer and consultant. Stir well before use.
Compatibility	Sika® Plastiment® VZ-1 may be combined with many other Sika® Products. Compatible with all types of cements and cementitious materials. Important: Always conduct trials before combining products in specific mixes and combinations.

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.

FURTHER DOCUMENTATION

When accidentally over dosing occurs it will retard the setting. But the ultimate strength will not be affected, if adequate care is taken.

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.

APPLICATION INSTRUCTIONS

DISPENSING

Sika® Plastiment® VZ-1 can be dispensed directly into the mixing water or added simultaneously into the concrete mixer.

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.

Sika Bangladesh Limited

Impetus Center, 242/B, (8th Floor),
Bir Uttam Mir Shawkat Sarak,
(Tejgaon-Gulshan Link Road),
Dhaka -1208, Bangladesh.
Tel +880 1313095060, +880 1313095061
<https://bgd.sika.com/>

Product Data Sheet

Sika® Plastiment® VZ-1
December 2025, Version 01.02
021303011000000629

SikaPlastimentVZ-1-en-BD-(12-2025)-1-2.pdf