

PRODUCT DATA SHEET

Sika® Plastocrete®-160

Curing accelerator plasticizer for ready-mix concrete

DESCRIPTION

Sika® Plastocrete-160® is a synthesis plasticizer which allows better hydration of the cement by its deflocculation effect. It provokes an increase in mechanical resistance from the young ages and decreases capillary absorption.

USES

Accelerated Set Times and Strength Development:
Sika® Plastocrete®- 160 is use to accelerate set time and increase early strength gain where job-site efficiency is important in order to meet construction deadlines. Sika® Plastocrete®- 160 saves time and money by allowing faster finishing and stripping of concrete surfaces.

- Optimization of cement dosing:

Due to its deflocculation effect, Sika® Plastocrete®- 160 allows for more complete hydration of the grains of cement, which leads to a gain of resistance. Can be used in synergy with others product from the Sika® range.

Contact Sika technical department for advise on compactibility.

- Reduction of handling times:

The curing accelerator effect of Sika® Plastocrete® -160 allows for faster coils necessary for stripping. This

is particularly interesting in the following cases:

Building sites: formwork removal the day after the Pouring even in cool weather.

Light prefabrication: reduced handling time.

- Decrease in capillarity:

The use of Sika® Plastocrete-160® in concrete leads to a decrease in capillarity. It is therefore Particularly interesting for mass concrete Buried.

The acceleration of hardening it provides allows from:

- Reduce formwork times,Concrete in cold weather, subject to compliance of the rules of the art.
- Deflocculate cement grains regardless of the nature of the latter;
- Increase the mechanical strength of concrete with its water-reducing power;

FEATURES

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PRODUCT INFORMATION

Packaging	1000Lites IBC.
Shelf life	12 months from the date of production If stored properly in undamaged, original, sealed packaging.
Storage conditions	Store in protected area from direct sunshine at temperature between 5°C and 40°C.
Appearance and colour	Brown
Density	1.03 +/- 0.01
pH-Value	10.6 +/- 1
Recommended dosage	<p>Dosage Recommended range of use: 0.2 to 0.35% of the weight of the binder or cement (i.e. about 0.20 to 0.34 litres per 100 kg of cement). Distribution Depending on where the concrete is manufactured, we recommend the following uses:</p> <ul style="list-style-type: none">▪ Ready-mixed concrete: Sika® Plastocrete-160® is added to the mixing water or in the mixer when making the concrete.▪ Construction sites and prefabrication: Sika® Plastocrete-160® will be added at a later date than the mixing water.

BASIS OF PRODUCT DATA

All technical data stated in this Data Sheet are based on laboratory tests. Actual measured data may vary due to circumstances beyond our control.

ECOLOGY, HEALTH AND SAFETY

MIXING

Add the correct amount of Sika® Plastocrete®- 160 at the concrete plant. The admixture may be added manually or by automated dispenser directly in the mixer or into the water line at the batch plant. When used in combination with other admixtures care must be taken to dispense each admixture separately into the mix. Do not mix with dry cement. Field evaluations should be carried out to determine the minimum ambient and concrete temperature required, and the optimum dosage for the desired setting time and strength performance. Sika strongly recommends that appropriate, sound curing practices be followed to protect fresh concrete from excessive heat loss in extreme weather conditions. Combination with Other Admixtures Sika® Plastocrete®- 160 is highly effective as a single admixture or in combination with other admixtures in the Sika System.

LOCAL RESTRICTIONS

SIKA MANUFACTURING NIGERIA LIMITED

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.

Web: nga.sika.com

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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