

## PRODUCT DATA SHEET

# Sika® Plastiment® LA-55

Plasticizing admixture for concrete and mortar

### DESCRIPTION

Plasticizing admixture for concrete and mortar based on lignosulfonate.

### USES

Sika® Plastiment® LA-55 is a dispersing and plasticizing agent for use in connection with the production of cement-bound materials.

### FEATURES

- Improves workability
- Watersaving
- Binder saving
- Extends time of workability

### CERTIFICATES AND TEST REPORTS

- CE marking according to EN 934-2:T2, water reducing admixtures for concrete

### PRODUCT INFORMATION

<b>Composition</b>	Based on lignosulfonate	
<b>Packaging</b>	1000 kg container	
<b>Shelf life</b>	12 months from date of production	
<b>Storage conditions</b>	In unopened, undamaged containers, protected from direct sunlight and frost, at temperatures between +5°C and +35°C	
	Sika® Plastiment® LA-55 withstands frost down to - 8°C. Storage at lower temperatures can lead to crystallization of the solid material, which redissolves upon heating and thorough stirring – even after freezing. The liquid does not change properties. By storage in a storage tank, periodically stirring is recommended, as even small contaminants can inoculate the product and initiate settling of dry material. When using the product it must be stirred approx. ½ hour daily.	
<b>Appearance and colour</b>	Dark brown liquid	
<b>Density</b>	1,20 kg/liter (+/- 0,03 kg/liter)	
<b>Conventional dry material content</b>	36,0 % by weight (+/- 1,8)	
<b>pH-Value</b>	4,5 (+/- 1,0)	
<b>Total chloride ion content</b>	Water soluble: <0,01 % by weight	Total: <0,02 % by weight
<b>Equivalent sodium oxide</b>	<0,5 % by weight	

## 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

### APPLICATION

#### Dosage/mixing

Plastiment-LA55 is dosed in amounts of the binder (cement+fly ash+silica fume) depending on the effect required. Normal dosing 0,2 - 1,3 % by weight. Plastiment-LA55 is added with the water, directly into the wet mix, or with the final part of the mixing water - never directly into the dry mix. Final dosage of Plastiment-LA55 is determined through trials.

Side-effects above range of dosage: retardation / air entrainment

It is advisable to carry out trial mixes when mixing for the first time. In some cases it may be necessary to dose in addition to the normal dosage. In such cases please contact our technical department. The dosage is given in % by weight of powder, which is equal to the total amount of cement and pozzolan (fly ash + microsilica).

The dosage depends on:

- w/c ratio
- Cement type
- Concrete temperature
- Concrete composition
- Other concrete additives

#### After-treatment

In all concreting it is important that the basic rules for concreting is followed. It is of special importance that fresh concrete surfaces are protected by plastic foil or sprayed with an effective curing compound as soon as possible after casting. When choosing the method of protection, consideration should be given to any further surface treatment.

The addition of small amounts of Crackstop polypropylene fibres, with stress distributing characteristics, can improve the concrete quality.

## 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

Any information or suggestions for use concerning Sika's products, which we either in writing or orally have given buyers or end-users of the product, have been given in good faith based on our own experiences and based on approved praxis and the technological and scientific knowledge on the time of giving such suggestions and information, which are given without any type of guarantees, and which do not lead to any further responsibility from Sika Danmark A/S, besides what is stated in the sales agreement in question. The buyer or end-user should themselves investigate or otherwise make sure, that our products are suitable for the use in question and further make sure that the products are kept and used correct and in agreement with the published rules and considering the actual conditions in order to avoid damages or less satisfactory results. Any order is accepted and any deliverance is affected according to the general terms of sales and delivery from Sika Danmark A/S, which are considered known and accepted, and which could be handed out when asked for. Our catalogues are not up-dated automatically. The present product data sheet is only for use in Denmark. Values stated in the present product data sheet should be seen as recommended, unless stated otherwise.

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