

PRODUCT DATA SHEET

SikaPlast[®]-4061 NS

Superplasticizing admixture

DESCRIPTION

SikaPlast[®]-4061 NS Imparts high workability and allows a large decrease in water content.

USES

SikaPlast[®]-4061 NS a superplasticizer for free flowing concrete in floor, slabs, foundations, slender components with dense reinforcement, walls, columns, pavements and other structural and non structural elements.

Specially recommended for the following types of concrete:

- High performance concrete
- Ready mix concrete
- Site batched concrete
- Pumped concrete
- Pre stressed concrete

CHARACTERISTICS / ADVANTAGES

SikaPlast[®]-4061 NS produces a more uniformly cohesive high quality free flowing concrete. It has following advantages :

- High water reduction.
- Higher strength and density
- Improved consistence retention
- Improved durability
- Improved water tightness/ water proofed concrete
- Improved surface finish
- Improved cohesion properties
- Suitable for hot weather conditions

APPROVALS / STANDARDS

IS 9103, ASTM C494

PRODUCT INFORMATION

| | |
|---------------------|--|
| Chemical base | Polycarboxylate Ether |
| Packaging | 230 kg/ Bulk supply |
| 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. |
| Appearance / Colour | Dark Brown Liquid |
| Density | ~1.06 kg/l at 25°C |
| pH-value | ≥ 6 |

APPLICATION INFORMATION

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|---------------------------|---|
| Recommended Dosage | 0.5% to 2.0% by weight of cement. Higher dosage may be used if agreed by engineer and consultant Actual dosage to be finalised on the basis of site trials. Stir well before use. |
| Dispensing | SikaPlast®-4061 NS can be added into the mixing water or directly into the concrete mixer after 50 – 70% of the mixing water has been added. The addition of SikaPlast®-4061 NS to dry aggregate or cement is not recommended. To achieve optimum performance a minimum wet mixing time, which is depending on the mixing conditions and the mixer performance, of 60 seconds is recommended. |
| Compatibility | SikaPlast®-4061 NS may be combined with many other Sika® products. Compatible with all types of cement 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.

IMPORTANT CONSIDERATIONS

Excessive water addition or overdosing may cause bleeding or segregation.
Overdosing may cause extension of initial and final setting times.
If frozen and / or if precipitation has occurred, SikaPlast®-4061 NS may be used after thawing slowly at room temperature and after intensive mixing.

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 Material Safety Data Sheet containing physical, ecological, toxicological and other safety-related data.

MAINTENANCE

CLEANING

Clean all tools and application equipment with water immediately after use.

LOCAL RESTRICTIONS

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.

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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