

PRODUCT DATA SHEET

Sikament[®]-1100 NT V

Polycarboxylic acid-based high-range AE water reducing agent with thickening agent

DESCRIPTION

Sikament[®]-1100 NT V is high-range AE water reducing agent containing polycarboxylic acid-based compounds as the main ingredient as well as thickening agent.

Use of Sikament[®]-1100 NT V enables production of medium and high flow concrete without causing concrete separations even with relatively low cement volume.

USES

Sikament[®]-1100 NT V can be used for the following types of concrete:

- Medium to high flow concrete with compressive strength of 27-45 N/mm²
- Secondary lining concrete for tunnel and mass concrete
- Concrete with a large number of or overcrowded reinforcing bars
- CFT (Concrete Filled Steel Tube) Concrete
- PPVC (Pre-fabricated Pre-finished Volumetric Modular Construction)

PRODUCT INFORMATION

Chemical Base	Polycarboxylic acid-based compounds and thickening agent
Packaging	1,000 kg container
Appearance / Colour	Light brown viscous liquid
Shelf Life	6 months (avoid direct sunlight, store in a cool place)
Storage Conditions	Store the product in a cool and dark place but avoid freezing and direct sunlight. Keep agitation to maintain homogenous solution. Be sure to use the product as soon as possible after opening the package, be careful not to mix foreign matter. If frozen (freezing point: -2 °C), thaw naturally and mix thoroughly before use. Prior to use, agitate to obtain homogenous solution.
Density	1.020-1.080 g/cm ³ (20°C)

APPLICATION INFORMATION

Recommended Dosage	0.8% to 3.0% Sikament®-1100 NT V per cement or binders in weight is recommended, but also recommend determining the product dosage by running concrete mix test in advance.
Compatibility	Avoid mixing with other admixtures including naphthalene or melamine based fluidizers.
Restrictions	<ul style="list-style-type: none">▪ Overdosing will result in setting time increase of concrete.▪ Use an appropriate concrete mixer and do not mix by hand.▪ Trial mixes are recommended to establish exact dosage rates required to suit individual requirements.▪ Contact Sika Technical Department for further assistance.

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.

LIMITATIONS

Protective Measures: Avoid prolonged contact with skin. Wash off thoroughly with soap water. In case of contact with eyes or mouth, rinse immediately with clean warm water and seek medical attention without delay. Avoid contact with food stuff and utensils.
Ecology/ Waste disposal: Do not dispose of into water or soil, but according to local regulations.
Transportation class: Non-hazardous
Toxicity: Non-toxic

ECOLOGY, HEALTH AND SAFETY

LOCAL RESTRICTIONS

Please note that as a result of specific local regulations the performance of this product may vary from country to country. Please consult the local Product Data Sheet for the exact description of the application fields.

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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