

PRODUCT DATA SHEET

SikaRapid[®]-3701 3D

(formerly MFlow 3D 305)

Liquid sprayed accelerator for Sikacrete[®]-3701 3D

DESCRIPTION

SikaRapid[®]-3701 3D is an accelerator for use with the Sikacrete[®]-3701 3D. It is a liquid additive whose dosage can be varied to the desired setting and hardening times.

Suitable to use in hot and tropical climatic conditions.

USES

SikaRapid[®]-3701 3D is suitable for all 3D Printing applications where rapid buildability, fast setting times and high early strength buildup is required.

FEATURES

- Fast setting and higher early strength
- Rapid buildability to print tall structures
- Low viscosity
- Low consumption

PRODUCT INFORMATION

Packaging	25 L pail, 200 L drum upon request
Shelf life	12 months from date of production if stored properly
Storage conditions	Store in undamaged, unopened, original sealed packaging in dry conditions at temperatures between +5°C and +50°C. Mix well before using.
Appearance and colour	Clear liquid
Density	~1.34 kg/l (+20°C)
Total chloride ion content	Nil (EN 934-2)

APPLICATION INFORMATION

Recommended dosage	0.5 – 0.8 % of Sikacrete [®] -3701 3D The consumption of SikaRapid [®] -3701 3D depends on the print element, type and parameters of printing set up, temperature conditions (mortar and ambient), required layer thickness, setting time and early strength development. Please consult our Sika Technical Department.
Dispensing	The 3D Printing setup should be able to dispense SikaRapid [®] -3701 3D from a nozzle placed at the printer head, where it gets mixed with Sikacrete [®] -3701 3D mixture prior to its extrusion from the printer head.

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.

IMPORTANT CONSIDERATIONS

Overdosing may result in decreased final strength.

ECOLOGY, HEALTH AND SAFETY

User must read the most recent corresponding Safety Data Sheets (SDS) before using any products. The SDS provides information and advice on the safe handling, storage and disposal of chemical products and contains physical, ecological, toxicological and other safety-related data.

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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ISO 9001, 14001, 45001 – SGS
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- Sika MB Construction Chemicals LLC
- Sika Construction Chemicals for Manufacturing LLC
- Master Builders Solutions LLC

All products are supplied under a management system certified to conform to the requirements of the quality, environmental and occupational health & safety standards ISO 9001, ISO 14001 and ISO 45001.



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