

PRODUCT DATA SHEET

SikaRapid[®]-2702 3D

Liquid sprayed accelerator for Sikacrete[®]-2700 3D series

DESCRIPTION

SikaRapid[®]-2702 3D is an accelerator for use with the Sikacrete[®]-2700 3D series of products. 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[®]-2702 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	3 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 use.
Appearance and colour	White suspension
Density	~1.44 kg/l (25 °C)
Total chloride ion content	Nil (EN 934-2)

APPLICATION INFORMATION

Recommended dosage	0.5 % – 1.5 % of Sikacrete [®] -2700 3D product series The consumption of SikaRapid [®] -2702 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 [®] -2702 3D from a nozzle placed at the printer head, where it gets mixed with Sikacrete [®] -2700 3D series product 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.

Sika Gulf B.S.C. (c)

Tel: +973 177 38188

Email: info@bh.sika.com

Sika Kuwait Cons. Mat. & Paints Co WLL

Tel: +965 22 282 296

Email: sika.kuwait@kw.sika.com

Web: gcc.sika.com

Sika UAE LLC

Sika MB Construction Chemicals LLC

Sika International Chemicals LLC

Tel: +971 4 439 8200

Email: info@ae.sika.com

Web: gcc.sika.com

Sika Saudi Arabia Limited

Riyadh / Jeddah / Dammam / Rabigh

Tel: +966 11 217 6532

Email: info@sa.sika.com

Web: gcc.sika.com

Sika LLC - Oman

Master Builders Solutions LLC

(part of Sika)

Tel. +968 22 826 500

Email: info@om.sika.com

Web: gcc.sika.com



ISO 9001, 14001, 45001 – SGS
-Sika UAE LLC
-Sika International Chemicals LLC
-Sika Gulf B.S.C. (c)
ISO 9001, 14001 – SGS
-Sika Saudi Arabia Limited
ISO 9001, 14001 – TÜV
-Sika MB Construction Chemicals 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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