

PRODUCT DATA SHEET

SikaRapid®-138 Seed

(formerly Master X-Seed® 138)

Early strength-enhancer admixture for precast industry

DESCRIPTION

SikaRapid®-138 Seed is a strength enhancing admixture that improves early strength development in precast concrete, while supporting sustainable construction. SikaRapid®-138 Seed admixture is based on a unique technology that facilitates improved cement hydration, thus enhancing strength development. SikaRapid®-138 Seed admixture will meet ASTM C 494/C 494M requirements for Type S, Specific Performance, admixtures.

The strength-enhancing property of SikaRapid®-138 Seed admixture permits a reduction in the total cementitious materials content of a given concrete mixture while maintaining compressive strength development equivalent to that of reference concrete, with associated benefits in CO₂ emissions reduction.

USES

- Prestressed concrete
- Precast concrete
- Manufactured concrete product (MCP)

CHARACTERISTICS / ADVANTAGES

- Improves cement hydration
- Increases early strength development (8–12 hours)
- Enhances workability of high-performance concrete mixtures
- Provides a strength safety factor and/or expanded performance space
- Reduces in-place concrete costs when utilized in optimized concrete mixtures
- Permits higher replacement levels of supplementary cementitious materials (SCMs)
- Permits earlier stripping and reuse of forms
- Helps reduce CO₂ emissions associated with concrete

PRODUCT INFORMATION

Packaging	<ul style="list-style-type: none">▪ 1000 L IBC tank▪ Bulk delivery
Shelf Life	12 months from date of production If the product is not utilized within 3 months, agitation may be required.
Storage Conditions	SikaRapid®-138 Seed admixture must be stored at temperatures above 5 °C. If SikaRapid®-138 Seed admixture freezes, thaw and reconstitute by mechanical agitation. Do not use pressurized air for agitation.

APPLICATION INFORMATION

Recommended Dosage	SikaRapid®-138 Seed admixture has a recommended dosage range of 0.50 % to 1.00 % of cementitious materials. Because of variations in concrete materials, jobsite conditions and/or applications, dosages outside of the recommended range may be required. In such cases, contact your local sales representative.
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SYSTEM INFORMATION

Compatibility

SikaRapid®-138 Seed admixture is compatible with most admixtures used in the production of quality concrete, including normal, mid-range and high-range water-reducing admixtures, air-entrainers, accelerators, corrosion inhibitors, and shrinkage reducers. SikaRapid®-138 Seed admixture has only been tested with other admixtures manufactured by Sika. Thus, use of SikaRapid®-138 Seed admixture with non-Sika admixtures may produce unpredictable results. Sika denies any warranty expressed or implied with respect to any application using a non-Sika admixture in combination with SikaRapid®-138 Seed admixture.

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

SikaRapid®-138 Seed admixture will neither initiate nor promote corrosion of reinforcing steel embedded in concrete, prestressing steel or of galvanized steel floor and roof systems. Neither calcium chloride nor other chloride-based ingredients are used in the manufacture of SikaRapid®-138 Seed admixture.

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.

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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