

PRODUCT DATA SHEET

SikaRapid®-575 ZA

Chloride accelerating admixture

DESCRIPTION

SikaRapid®-575 ZA ready to use, liquid admixture is designed to accelerate setting time and strength development.

USES

- Fast track concrete construction
- Non-reinforced concrete
- Standard weight concrete

CHARACTERISTICS / ADVANTAGES

- Increase early and ultimate strengths, compressive and flexural.
- Relative durability to damage from freezing and thawing – well above industry standards.
- Reduced water content required for a given workability.
- Accelerated setting time characteristics.

BENEFITS

- Earlier finishing of slabs – reduced labour costs
- Reduced protection time in cold weather
- Earlier stripping and reuse of forms
- Earlier structural use of concrete, as in lift-slab tilt-up, paving and floors
- Easy to disperse in concrete mixtures, avoiding many of the problems associated with flake calcium

SikaRapid®-575 ZA admixture also increases concrete strength when used with Type III cement and with mixes designed to use calcium chloride or other admixture formulations.

APPROVALS / STANDARDS

ASTM C 494 requirements for Type C accelerating and Type AE water reducing and accelerating admixtures.

PRODUCT INFORMATION

Packaging	20 litre and 1000 litre IBCs or in bulk.
Appearance / Colour	Opaque liquid
Shelf Life	12 months from date of manufacture. This product can last a longer period of time, if stored correctly.
Storage Conditions	SikaRapid®-575 ZA must be stored where temperatures do not drop below +5°C. If product has frozen thaw and agitate until completely reconstituted. Store under cover, out of direct sunlight and protect from extremes of temperatures.
Density	1.280 – 1.320
pH-Value	8.0 – 10.0

APPLICATION INFORMATION

Recommended Dosage

This admixture is used at the rate of **1 - 4 litres / 100kg of cement** for most concrete mixes using average concrete ingredients. Because of variations in job conditions and concrete materials, dosage rates other than the recommended amount may be required. In such cases, contact your local Sika Technical department.

As the dosage rate of SikaRapid®-575 ZA admixture increases up to **4 litres / 100kg of cement**, acceleration of setting time usually continues to increase. The larger dosage also increases early and ultimate strengths.

SYSTEM INFORMATION

Compatibility

SikaRapid®-575 ZA admixture may be used in combination with any Sika admixture. When used in conjunction with other admixtures, each admixture must be dispensed separately into the mix.

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

CORROSIVITY

This product contains intentionally added calcium chloride. The admixture, due to chlorides originating from all the ingredients used in its manufacture, contributes less than 0.0210% chloride ions by weight of the cement when used at the rate of 65ml/100kg of cement.

TEMPERATURE

If this admixture freezes, thaw at 2°C or above and completely reconstitute by mild mechanical agitation. Do not use pressurised air for agitation.

ECOLOGY HEALTH AND SAFETY

SikaRapid®-575 ZA is not a fire or health hazard. Spillages should be washed down immediately with cold water. For further information refer to the material safety data sheet (SDS).

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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