

PRODUCT DATA SHEET

SikaPlast®-910 RM

High Performance Super-plasticiser Concrete Admixture

DESCRIPTION

SikaPlast®-910 RM is a third generation super plasticizer for self-compacting concrete and mortar. It meets the requirements of super plasticizer according to ASTM C-494 Type G & F and EN 934-2 . Suitable for use in hot weather and tropical climatic conditions

USES

SikaPlast®-910 RM is suitable for the production of all types of concrete including basement and road concrete.

SikaPlast®-910 RM facilitates extreme water reduction , excellent flowability at the same time optimal cohesion and highest self compacting behaviour.

- Precast mixed concrete
- High flow concrete
- Concrete with high water reduction
- Slabs
- Foundations
- Columns and Piers
- Piles
- Pre-stressed concrete
- Bridges and cantilever structures

PRODUCT INFORMATION

Composition	Aqueous solution of modified polycarboxylates
Packaging	5 kg, 20 kg pails 200 kg drums Bulk tanks are available upon request
Shelf life	12 months from date of production if stored properly
Storage conditions	Store in cool and dry conditions in unopened, undamaged and sealed original packaging at temperature between +5 °C and +35 °C protected from direct sunlight, heat and moisture.
Appearance and colour	Brownish liquid

CHARACTERISTICS / ADVANTAGES

SikaPlast®-910 RM provides the following beneficial properties:

- Substantial improvement in workability without increased water.
- Improved density and surface finish
- Improved water tightness
- Excellent solution for continuous concrete casting of deep elements
- Does not contain chlorides or other steel corrosion promoting ingredients.

APPROVALS / CERTIFICATES

SikaPlast®-910 RM follows the requirements of ASTM C 494 type G & F and EN 934-2

Density 1.05 kg/l

Total chloride ion content Nil

TECHNICAL INFORMATION

Concreting guidance The standard rules of good concreting practice for production and placing must be observed when using SikaPlast®-910 RM in concrete. Refer to relevant standards.
Fresh concrete must be cured properly especially at high temperatures in order to prevent plastic and drying shrinkage. Use Sika Antisol products as a curing agent or apply wet hessian.

APPLICATION INFORMATION

Recommended dosage For ultra high performance and ready mixes concrete, dosage up to 4% by weight of binder.

Dispensing SikaPlast®-910 RM is added to the gauging water or simultaneously poured with it into the concrete mixer at the batching plant.
Do not add SikaPlast®-910 RM directly to the dry mix.

Compatibility SikaPlast®-910 RM may be combined with all types of Portland cement (OPC and SRC), concrete containing pozzolanic materials such as; micro silica and the following products : Sika Pump®, Sika Ferrogard®- 901, Sika Fume®, Sika Fiber®.
We recommend performing trial mixes to establish the required performance when combining SikaPlast®-910 RM with the above.

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.

ECOLOGY, HEALTH AND SAFETY

For information and advice on the safe handling, storage and disposal of chemical products, users shall refer to the most recent Safety Data Sheet (SDS) containing physical, ecological, toxicological and other safety-related data.

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.

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LEGAL NOTES

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