



TECHNICAL DATA SHEET

ed. 2012 03 01

ALPIMER MS liquid

Concrete and mortar superplasticizer – Base product - 30 % solution

Applications:

- Concrete plasticizing with or without water reduction
- Industrial floors - improved chemical and abrasion resistance
- Ready Mix concrete
- Prefabricates in concrete
- Self-leveling mortars
- Gypsum board manufacturing

Technical Effects:

Physical effects on concrete	Technical advantages
Rheology effects	High fluidity of concrete without segregation
Reduction of W/C - ratio	At fixed consistency increased early and final strength; Savings of cement
Reduction of capillarity	Reduced permeability - less penetration of water and chemical solutions
Impact resistance effect	Higher green impact resistance, sooner remolding of precast concrete
Reduced shrinkage effect	Reduction of micro and macro cracks

DOSAGE:

Applied as super plasticizer	0,8 – 1,2 % on cement
Applied as plasticizer	0,3 - 0,8 % on cement

Mixing:

- Apply direct into the mixing plant together with addition of water.
- Mixing in ready-mix concrete lorry: 1 min/m³ of concrete

Disclaimer: Due to the variety of uses of each product and the specific characteristics of the user is required to conduct self-tests. Data products and other technical information should be seen merely as a guide, they describe the characteristics of the products collected during production and application. They do not constitute a warranty.



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TECHNICAL DATA:

PARAMETER	VALUE
Chemical Basis	Sulfo-Melamine-Formaldehyde-Polycondensate
Solvent:	water
Dry content – solids at 120°C/ 2hr	30 %
Colour	violett liquid
Specific density: at 20 °C	1,148 -1,150 g/cm ³
Viscosity at 20° C	30-45 mPas
pH- Value	10,5 – 11,0
Chloride ions content:	Max. 10 ppm
Na₂SO₄ content:	
Surface tension – as 40 % solution in distilled water at 20°C	Min. 70 dyn/cm

Impact on consistency of concrete C25/30 at fixed W/C ratio:

Spread DIN 1048	from 33 cm to 60 – 65 cm
Compacting value DIN 1045	from 1,25 to 1,0

PACKAGING:

Bulk in 220kg drums or in tank trucks

STORAGE STABILITY:

approx. 2 years at Temp. below 30 °C

Health and environment protection:

Detailed information on health, safety, data relating to ecology, the toxicological properties of the material, etc. are available in the **Material Safety Data Sheet** available on request. The product may contaminate water, so it should not be disposed of directly into sewers, soil or surface water.

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