

ALPIMER N liquid

Concrete and mortar superplasticizer – Base product - 40 % solution

Applications:

- Concrete plasticizing with or without water/cement reduction
- Industrial floors - improved chemical and abrasion resistance
- Ready Mix concrete
- Prefabricates in concrete
- Masonry and self-leveling mortars
- Cement reduction

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	0,4 - 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



TECHNICAL DATA SHEET

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TECHNICAL DATA:

PARAMETER	VALUE
Chemical Basis	Sulfonaphthalene-Formaldehyde- Polycondensate
Solvent:	water
Dry content – solids at 120°C/ 2hr	39,5 – 40,5 %
Colour	Dark brown liquid
Specific density: at 20 °C	1,19-1,20 g/cm ³
Viscosity at 20° C	45-65 mPas
pH- Value	7,0 – 9,0
Chloride ions content:	Max. 10 ppm
Na₂SO₄ content:	1,5 - 2 %
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:

Slump ASTM C - 143	from 6 cm to 21 cm
Spread DIN 1048	from 40 cm to 60 cm
Compacting 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.

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.