

QUANTEC® PL-420

High-Efficiency Plasticizer for Semi-Dry Concrete

Fields of Application

QUANTEC PL-420 is used for the production of concrete elements from no-slump/semi-dry concrete. Due to the expected influences from traffic and weather, these concretes must show high compressive strength and durability with strong resistance against abrasion, chemical attack as well as frost and deicing salts.

The following advantages can be achieved by using QUANTEC PL-420:

- increased homogeneity of the mix
- improvement in the grade of compaction and therefore increase in density
- reduction of required compaction times and therefore increase in productivity
- increase in green, early and final strengths
- reduction of cement content at equal strength development
- smooth surfaces
- higher resistance against chemical attack
- better resistance against frost and de-icing salt
- reduced tendency to effloresce
- intensification in colors when using pigments

Technical Data

Form	liquid
Colour	colorless
Density	1,01 ± 0,02 g/cm ³
pH-value	7,5 ± 1.0
Storage	Keep well closed in original containers. Protect from excessive heat and frost. Frozen products can be re-used after thawing and following intensive stirring.
Recommended dosage	0,20–0,40 M.-% of cement
Delivery form	1010-kg-containers; 200-kg-drum; 23-kg-cans
Physiological effect	May irritate skin and eyes; see SDS.
Shelf life	approx. 1 year in closed original containers

Dosage and Use

QUANTEC PL-420 is added with the gauging water or to the ready mix.

Special Information

Preliminary tests according to official national standards are always required before use!

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