



DUROPP®

PLAST

Item number: 50.100

**Technical
Information
Sheet**

Product description

DUROPP® Plast is a high-range superplasticizer with a very strong plasticising effect for the optimisation of the rheological properties of self-compacting concrete. It is part of the multicomponent system, DUROPP® Wetcast, for the production of high-quality concrete products using self-compacting concrete.

CHARACTERISTICS

Application area

To produce highly flowable and self-compacting concrete; specifically suitable in the prefabricated component area. DUROPP® Plast is specially designed for self-compacting concrete recipes using DUROPP® Defoam and DUROPP® Compound.

Properties

DUROPP® Plast brings about a steric shielding of the individual cement particles. This results in an even, homogenous dispersed cement paste that is low in internal frictional forces.

DUROPP® Plast enables in the concrete

- with the same water/binder ratio, a better processing capability.
- with the same consistency, a reduction in the water/binder ratio.
- control of the processing time by metering the dosage.
- in combination with the air release agent DUROPP® Defoam a pore-free structure and architectural concrete surfaces with a very low proportion of lumps.

Characteristic data

Basic raw mat.:	Polycarboxylatether
Colour:	Clear to yellowish
Form:	Liquid
Density (20 °C):	1.08 ± 0.02 g/ml
pH value:	6.5 ± 1
Chloride content:	≤ 0.10 M-%
Alkali content:	≤ 8.5 M-% (as Na ₂ O equivalent)
Processing temp.:	As of 5°C
Shelf life:	With proper storage, at least 1 year
Storage:	Protect from frost and contamination. Do not use soiled tanks for tank delivery.

TECHNICAL SPECIFICATIONS

Dosage

Recommended dosage: 1.0 – 2.0 M % of the binder weight.
 The necessary quantity of additive is based on the required concrete properties and must be established based on an initial test in accordance with DIN EN 206-1.

It is possible to extend or shorten the processing time by increasing or lowering the dosage (the water content is calculated according to the water/binder ratio).

PROCESSING INFORMATION



Processing information

- The dosage of DUROPP® Plast must be added to the damp mixture after the mixing water has been added.
- Any possible subsequent dosage should be avoided. The consistency of the concrete is adjusted by adding water.
- The mix should be mixed for at least 5 minutes if DUROPP® Compound has been used, so as to ensure the full effect.

PROCESSING INFORMATION

Proof of suitability/certification:

- Corresponds to DIN V 18998
- Can be used in concrete with an alkali-sensitive aggregate in accordance with
- DIN V 20000-100, section 8.2

GENERAL INFORMATION

Work safety

- Not a hazardous substance as defined by guideline 1907/2008 EC
- Not hazardous goods as defined by transport regulations
- WHC 1 (self-assessment) little risk of pollution
- Please refer to the safety data sheet

Forms of supply

30 kg	PVC – can - gfn
240 kg	Poly container gfn
1000 kg	container net
	Tanker delivery upon request

Comment:

Always observe general work hygiene when using our products. The raw materials we process and the products we produce are subject to strict factory inspections. We reserve the right to make changes that signify a technical advance. The outside monitoring is carried out by state testing laboratories. All the information applies to the normal case scenario, and has been given to the best of our knowledge. We cannot be held legally liable as a result of the information included in this leaflet. It is stressed that our products and the procedures must be tested for suitability with your circumstances.