

PANTARHIT[®] PC150 (FM)

Item No 894

High performance superplasticizer acc. to EN 934-2 for precast concrete

Also suitable as concrete plasticizer PANTARHIT[®] PC150 (BV).

Fields of Application

PANTARHIT[®] PC150 (FM) is a high performance superplasticizer for producing high consistency concrete with low water/cement ratios and little consistency losses suitable for the manufacture of precast elements and fabrications.

Even at low ambient temperatures PANTARHIT[®] PC150 (FM) allows a high early strength development particularly at early ages without the need of external heat. Stripping times may be reduced and lead to an enhanced productivity thereby.

PANTARHIT[®] PC150 (FM) has excellent plasticizing effects which are able to transform stiff concrete (F1) up to flow concrete (F6). The high performance superplasticizer is especially suitable for producing self and easily compacting concrete.

PANTARHIT[®] PC150 (FM) may reduce the compaction energy applied to concrete. Concrete manufacturers and applicators may therefore achieve an economical and technical benefit.

Dosage

Recommended dosage range 0.2 – 2.65 mass-% of the cement content;
 equals 2 – 25 ml per kg cement.

Working Principle

PANTARHIT[®] PC150 (FM) improves the cement dispersion within the concrete significantly. This property allows the formation of an homogenous and low-viscosity cement lime which ensures an improved workability and facilitates the compaction of concrete.

Its special built achieves an excellent plasticizing effect and extends the processing time purposefully. Therefore PANTARHIT[®] PC150 (FM) meets the special requirements challenging the precast concrete industry.

Technical Data

Steadiness	homogenous
Colour	amber
Active substances	modified polycarboxylates
State	liquid
Density	1.07 ± 0.02 g/cm ³
pH-value	5.5 ± 1
Chloride content	< 0.10 mass-%
Alkali content as an Na ₂ O-equivalent	< 4.0 mass-%
Workability	from +1 °C
Durability	approx. 1 year
Storage	In closed containers, cool, but frost-free. Protect from intense solar radiation!

Processing Hints

PANTARHIT® PC150 (FM) should be added to the ready-mixed concrete design.

In forced action mixers the mixing time should be at least 60 seconds per cubic metre.

The admixture is not a harmful substance according to the EC directives, regulations on harmful substances, and forwarding instructions. Generally accepted safety precautions must be taken when handling chemicals. The corresponding EC material data sheet is available upon request.

Type of Delivery

30 l can
200 l drum
1000 l container
loose by bulk supply

Remarks

The products we produce and process are subject to a stringent factory control.

Due to steady improvements on our products and numerous fields of application our details of information are not binding. Any liability thereof cannot be accepted. In the case of application problems we are pleased to offer our help.

BEFORE USING THE ADMIXTURE SUITABILITY TESTS ARE ALWAYS REQUIRED.