

PANTARHIT® RC277 (FM)

Item No 0663

Superplasticizer acc. to EN 934-2 for concrete containing crushed sand aggregates

Also suitable as concrete plasticizer PANTARHIT® RC277 (BV)

FIELDS OF APPLICATION

PANTARHIT® RC277 (FM) is an innovative superplasticizer designed to facilitate the production of concrete containing challenging aggregates such as crushed sand.

The special polymer configuration is adjusted for giving fresh concrete low-viscosity characteristics including very good workability retention and excellent mix stability.

These characteristics support concrete's pumping, placing and leveling behavior and assists long-distance transports.

PANTARHIT® RC277 (FM) has excellent plasticizing effects which are able to enhance concrete's consistency by several consistency classes e.g. from F1 up to F6 (is equivalent to S1 – S6). The high performance superplasticizer is also suitable for producing self-compacting concrete (SCC).

PANTARHIT® RC277 (FM) may reduce the compaction energy applied to concrete. Concrete manufacturers, contractors and applicators may therefore achieve an economical and technical benefit.

DOSAGE

Recommended dosage range 0.2 – 3.0 mass-% of the cement content;
is equivalent to 2 – 28 ml per kg cement.

WORKING PRINCIPLE

PANTARHIT® RC277 (FM) improves the cement dispersion within the concrete significantly. This property allows the formation of a homogenous and low-viscosity cement paste which ensures an improved workability and facilitates the compaction of concrete.

TECHNICAL DATA

Homogeneity	homogenous
Colour	amber
State	liquid
Density	1.06 ± 0.02 g/cm ³
pH-value	5.0 ± 1
Chloride content	< 0.10 mass-%
Alkali content (Na ₂ O equivalent)	< 4.5 mass-%
Workability	from +1 °C
Shelf life	approx. 1 year from date of production if stored properly
Storage conditions	Store in unopened, original sealed packaging between +5 °C and +25 °C. Protect from frost and insolation.

PROCESSING INDICATIONS

PANTARHIT® RC277 (FM) should be added to the ready-mixed concrete.

The mixing time must comply with the regulations defined in EN 206-1.

This product is not classified as hazardous according to the CLP regulations. See safety data sheet for further information.

PACKAGING

- 30 l can
- 200 l barrel
- 1000 l container
- loose by bulk supply

REMARKS

This information describes the application- and processing possibilities of a product and its operation principles under regular conditions. Having no influence on the further application and processing, especially in conjunction with other construction materials, the given indication are neither a warranty in respect of the product's properties or its fitness for a particular purpose nor a full instruction of use. This information, any other recommendation or verbal advice are not binding and do not infer to any liability or legal demand.

Due to continuous further development, the most recent Technical Data Sheet is valid and will be supplied on request. All orders are accepted subject to our current general terms and conditions.

Edition: 19 March 2020

SUITABILITY- AND PRE-TESTS ARE NECESSARY BEFORE APPLYING THE CONCRETE ADMIXTURE!