

PANTARHIT® RMC 277

Item No 8138/D

High performance superplasticizer for high quality concrete

FIELDS OF APPLICATION

PANTARHIT® RMC 277 is a high-performance superplasticizer for ready-mix concrete with prolonged workability retention and allows good early and high final strength developments in concrete.

PANTARHIT® RMC 277 has excellent plasticizing effects which can enhance concrete's consistency by several consistency classes e.g., from S1 – S5. The high-performance superplasticizer is especially suitable for producing self compacting concrete (SCC).

PANTARHIT® RMC 277 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 – 2.5 mass-% of the cementitious content.

STANDARD COMPLIANCE

PANTARHIT® RMC 277 conforms to ASTM C494 Type F & G and BS EN 934-2.

WORKING PRINCIPLE

PANTARHIT® RMC 277 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.

Its special built extends the processing time purposefully and meets the special requirements challenging the ready-mix concrete industry.

TECHNICAL DATA

Homogeneity	homogenous
Colour	amber
State	liquid
Density	1.06 ± 0.02 g/cm ³
pH-value	4.0 ± 1.0
Chloride content	chloride free acc. to BS EN 934-2
Alkali content (Na ₂ O equivalent)	alkali free acc. to BS EN 934-2
Workability	from +1 °C
Shelf life	approx. 1 year from date of production if stored properly
Storage conditions	Store under cover, out of direct sunlight and protect from extremes of temperature.

PROCESSING INDICATIONS

PANTARHIT® RMC 277 should be added to the ready-mixed concrete.

For the recommended mixing time, the definitions and regulations of EN 206-1 apply.

COMPATIBILITY

PANTARHIT® RMC 277 is suitable for concrete designs containing OPC or SRC cement, micro-silica or silica fume, fly ash (PFA), ground granulated blast furnace slag (GGBS).

PANTARHIT® RMC 277 should not be used in conjunction with any naphthalene-based admixture.

When using other Ha-Be admixtures in the same concrete mixture, the products should be added separately and must not be blended prior to addition! Using more than one admixture requires suitability and preliminary tests to ensure the required combination of its effects is attained.

PACKAGING

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

HEALTH & SAFETY

This product is not classified as hazardous according to the current regulations. Refer to the corresponding Material Safety Data Sheet for further advice.

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 indications 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.

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