

PANTARHIT® RMC386

Item No 8114/E

High-range superplasticizer for high quality and durable concrete in ready-mix applications

FIELDS OF APPLICATION

PANTARHIT® RMC 386 is a high-range superplasticizer for producing high quality ready-mix concrete with significantly reduced water demands and good workability retention properties.

The superplasticizer is based on the latest PCE technology and therefore especially suitable for producing self-compacting concrete (SCC), semi-SCC and concrete which needs to satisfy compressive strength requirements of C60 or higher indication classes.

PANTARHIT® RMC 386 is an excellent superplasticizer for high flow able concrete and high strength concrete.

The features of PANTARHIT® RMC 386 are:

- Strong plasticizing effect even at very low w/c ratios
- Good compatibility with GGBS, fly ash and microsilica
- High robustness against variations in temperature, quality of raw material and water content
- Minimised segregation and bleeding of concrete
- Largely independent performance on different cement types and characteristics
- High early and final concrete strength
- Increased durability of concrete
- Improved concrete surface finishing and textures

PANTARHIT® RMC 386 may reduce the compaction energy applied to concrete. Concrete manufacturers and applicators may therefore achieve an economical and technical benefit.

DOSAGE

The generally dosage range is 0.2 – 3.0 mass-% of the cement content.

A significant overdosing of PANTARHIT® RMC 386 may lead to an increased workability and to an elongated set retardation of concrete. Using an

appropriate curing for concrete the final strength development will not be impaired.

WORKING PRINCIPLE

PANTARHIT® RMC 386 improves the cement dispersion within the concrete significantly. This property allows the formation of a homogenous and low-viscosity cement paste which provides flow able concrete with high reduced water contents.

The special built of PANTARHIT® RMC 386 extends the processing time purposefully and meets the special requirements challenging the ready-mix concrete industry.

TECHNICAL DATA

Homogeneity	homogenous
Colour	yellowish
State	liquid
Chemical base	modified PCEs
Density	1.07 ± 0.02 g/cm ³
pH-value	6.0 ± 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 386 should be added to the ready-mixed concrete.

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

STANDARD COMPLIANCE

PANTARHIT® RMC 386 conforms to ASTM C494 Type F&G and BS EN 934-2.

COMPATIBILITY

PANTARHIT® RMC 386 is suitable for designs containing Portland or SRC cement, microsilica or fly ash (PFA) and ground granulated blast furnace slag (GGBS).

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 in order to ensure the required combination of its effects is attained. Do not mix it with any Naphthalene based admixtures!

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.

The management system of Ha-Be Egypt is certified to ISO 9001:2015.



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