

PANTARHIT® RMC 404

Item No 0872/D

High performance superplasticizer for concrete with exceptional long workability

FIELDS OF APPLICATION

PANTARHIT® RMC 404 is a high performance superplasticizer for producing high quality ready-mix concrete with reduced water demand and very high workability retention properties.

The PCE-based product optimises concrete's trowellability, improves its early strength development and advances its placing characteristics.

PANTARHIT® RMC 404 has plasticizing effects which are able to enhance concrete's consistency by several consistency classes.

PANTARHIT® RMC 404 may reduce the compaction energy applied to concrete. Concrete manufacturers and applicators may therefore achieve an economical and technical benefit.

DOSAGE

The general dosage range is 0.2 – 3.5 mass-% of the cement content.

A significant overdosing of 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.

STANDARD COMPLIANCE

PANTARHIT® RMC 404 conforms to BS EN 934-2 and meets the requirements of ASTM C494 Type F/G.

WORKING PRINCIPLE

PANTARHIT® RMC 404 improves the cement dispersion within the concrete significantly. This property allows the formation of a homogenous and low-viscosity cement paste which provides flowable concrete with substantially reduced water content.

The special built of PANTARHIT® RMC 404 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	1.11 ± 0.02 g/cm ³
pH-value	6 ± 1
Chloride content	< 0.10 mass-%
Alkali content (Na ₂ O equivalent)	< 8.5 mass-%
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 404 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 404 is suitable for concrete designs containing OPC or SRC cement, micro-silica or silica fume, 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.

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!