

# PANTARHIT® RMC 123

Item No 0869/D

**Low Range superplasticizer for high quality concrete**

## FIELDS OF APPLICATION

PANTARHIT® RMC 123 is a low - range superplasticizer for producing high quality ready-mix concrete with significantly reduced water demand and high workability retention properties especially in combination with GGBS.

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

PANTARHIT® RMC 123 has excellent plasticizing effects which are able to enhance concrete's consistency by several consistency classes e.g. from S1 up to S6 and is especially suitable for producing high flow able concrete.

PANTARHIT® RMC 123 reduces the compaction energy applied to concrete. Concrete manufacturers and applicators may therefore achieve an economical and technical benefit.

## DOSAGE

Recommended dosage range 0.2 – 2.5 mass-% of the cement content.

## STANDARD COMPLIANCE

PANTARHIT® RMC 123 conforms to BS EN 934-2 & ASTM C 494 Type G

## WORKING PRINCIPLE

PANTARHIT® RMC 123 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 <sup>3</sup>
pH-value	5.0 ± 1
Chloride content	chloride free acc. to BS EN 934-2
Alkali content (Na <sub>2</sub> 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

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PANTARHIT<sup>®</sup> RMC 123 should be added to the ready-mixed concrete.

## COMPATIBILITY

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PANTARHIT<sup>®</sup> RMC 123 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).

PANTARHIT<sup>®</sup> RMC 123 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 in order to ensure the required combination of its effects is attained.

## PACKAGING

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

## HEALTH & SAFETY

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

## REMARKS

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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!**