

# PANTARHIT<sup>®</sup> RMC510

**Superplasticizer for concrete**

Item No 8150/E

## FIELDS OF APPLICATION

PANTARHIT<sup>®</sup> RMC510 is a high-performance superplasticizer for ready-mix concrete with prolonged workability retention. Even with low w/c ratios the concrete shows excellent processing characteristics and allows high early and final strength developments without segregation.

PANTARHIT<sup>®</sup> RMC510 has highly plasticizing and slump retaining effects which enhance a very high slump concrete. Furthermore, the concrete is smoothing-friendly, easy to pump and has an improved durability.

These characteristics provide ready-mix producers with high application reliability.

## DOSAGE

Recommended dosage range 0.2 – 4.0 mass-% of the cement content.

## STANDARD COMPLIANCE

PANTARHIT<sup>®</sup> RMC510 conforms to ASTM C494 Type F/G and BS EN 934-2

## WORKING PRINCIPLE

PANTARHIT<sup>®</sup> RMC510 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.

PANTARHIT<sup>®</sup> RMC510 advances the pumping and placing of concrete and improves its processing and compaction significantly.

## TECHNICAL DATA

Homogeneity	homogenous
Colour	brown
Chemical base	mod. PCE
State	liquid
Density	1.08 ± 0.02 g/cm <sup>3</sup>
pH-value	5.0 ± 1.0
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®RMC510 should be added to the ready-mixed concrete.

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

## COMPATIBILITY

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PANTARHIT®RMC510 is suitable for designs containing OPC or SRC cement, micro-silica or silica fume, fly ash (PFA), ground granulated blast furnace slag (GGBS) and bentonite.

PANTARHIT®RMC510 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

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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 current regulations. Refer to the corresponding Material Safety Data Sheet for further advice.

## 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 indication is 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 has been certified according to ISO 9001:2015.



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