

PANTARHIT® SCR 305

Item No 0851/D

Special superplasticizer for concrete screed with extended workability

FIELDS OF APPLICATION

PANTARHIT® SCR 305 is a high performance superplasticizer for ready-mix concrete screed with prolonged workability retention and allows high early and final strength developments in concrete screed.

PANTARHIT® SCR 305 has excellent plasticizing effects which are able to enhance concrete's consistency by several consistency classes e.g. from low slump up to high flow. The high performance superplasticizer is especially suitable for producing high flow able concrete screed. Due to the increase in air content we create a stable and easy to pump concrete screed.

PANTARHIT® SCR 305 may reduce the compaction energy applied to concrete screed. Concrete manufacturers, contractors 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® SCR 305 is tested under the regulations of BS EN 934-2.

WORKING PRINCIPLE

PANTARHIT® SCR 305 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	light brown
State	liquid
Density	1.09 ± 0.02 g/cm ³
pH-value	5.0 ± 1
Chloride content	chloride free acc. to BS EN 934-2
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® SCR 305 should be added to the ready-mixed concrete screed.

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

COMPATIBILITY

PANTARHIT® SCR 305 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® SCR 305 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

- 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!