

# PANTARHIT® S (FM)

Item No 0820

**Superplasticizer acc. to EN 934-2 for producing concrete with high sand contents**

Also suitable as concrete plasticizer PANTARHIT® S (BV)

## FIELDS OF APPLICATION

PANTARHIT® S (FM) is a superplasticizer for producing concrete with high sand contents in precast, manufactured concrete products and ready-mix concrete plants.

PANTARHIT® S (FM) allows the production of easy-flowing concrete (F5; is equivalent to S5) which is easily to pump, pour, place and compact.

## DOSAGE

Recommended dosage range 0.2 – 2.0 mass-% of the cement content;  
is equivalent to 2 – 18 ml per kg cement.

### For F3 concrete | a = 480 mm

- Having an initial consistency at the beginning of F2: approx. 8 ml per kg cement
- Having an initial consistency at the end of F2: approx. 4 ml per kg cement.

### For F5 concrete | a = 620 mm

Having an initial consistency at the beginning of F2: approx. 16 ml per kg cement

## WORKING PRINCIPLE

PANTARHIT® S (FM) reduces the surface tension of water and ensures a strong plasticizing effect thereby. This leads on to a significant improvement in concrete's workability, pumping, levelling and compaction.

## TECHNICAL DATA

Homogeneity	homogenous
Colour	dark brown
State	liquid
Density	1.13 ± 0.03 g/cm <sup>3</sup>
pH-value	7 ± 1
Chloride content	< 0.10 mass.-%
Alkali content (Na <sub>2</sub> O equivalent)	< 1.0 mass.-%
Workability	from +1 °C
Shelf life	approx. 1 year from date of production if stored properly
Storage conditions	Store in unopened, original sealed packaging between +5 °C and +25 °C. Protect from frost and insolation.

## PROCESSING INDICATIONS

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PANTARHIT® S (FM) should be added to the ready-mixed concrete.

In forced action mixers the mixing time should be at least 60 seconds per cubic metre.

On site, concrete's mixing time in truck mixers should be 60 seconds per cubic metre, but not less than five minutes.

This product is not classified as hazardous according to the EC directives, regulations on hazardous substances and forwarding instructions. The generally accepted precautions for handling chemicals must be followed. The corresponding Material Safety Data Sheet is available upon request.

## PACKAGING

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

## REMARKS

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