

PANTARHIT[®] MN40 (FM)

Superplasticizer acc. to EN 934-2 for concrete

Item No 0844

Also suitable as concrete plasticizer PANTARHIT[®] MN40 (BV)

FIELDS OF APPLICATION

PANTARHIT[®] MN40 (FM) is a concentrated superplasticizer for the production of precast, manufactured concrete products and ready-mix concrete.

PANTARHIT[®] MN40 (FM) is able to enhance concrete's consistency by several classes e.g. from F1/F2 up to F6 (is equivalent to S1/S2 – S5).

PANTARHIT[®] MN40 (FM) allows the production of early high strength concrete.

DOSAGE

Recommended dosage range 0.2 – 3.0 mass-% of the cement content;
is equivalent to 2 – 24 ml per kg cement.

For F5 concrete | a = 620 mm

- Having an initial consistency at the end of F2: approx. 6 ml per kg cement.
- Having an initial consistency at the beginning of F2: approx 9 ml per kg cement

WORKING PRINCIPLE

PANTARHIT[®] MN40 (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, leveling and compaction.

PANTARHIT[®] MN40 (FM) does not entrain air voids into the concrete.

TECHNICAL DATA

| | |
|---|---|
| Homogeneity | homogenous |
| Colour | dark brown |
| State | liquid |
| Density | 1.23 ± 0.03 g/cm ³ |
| pH-value | 6.0 ± 1.0 |
| 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 in unopened, original sealed packaging between +5 °C and +25 °C. Protect from frost and insolation. |

PROCESSING INDICATIONS

PANTARHIT® MN40 (FM) should be added to the ready-mixed concrete.

The mixing time must comply with the regulations defined in EN 206-1.

In a truck mixer, the duration of re-mixing after the main mixing process should not be less than 1 min/m³ and not less than 5 minutes after adding the admixture.

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

PACKAGING

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

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 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!