

PRODUCT DATA SHEET

Micrete SP2

High Range Water Reducing Concrete Admixture

Product Description:

Micrete SP2 is a high range water reducing admixture with retarding properties for concrete and mortar. It meets the requirements for set retarding/super plasticizing admixtures according to EN 934-2: 2001.

Typical Uses:

Micrete SP2 is used for the production of site batched and ready mix concrete with extended workability and when required for long transport distances.

Micrete SP2 is recommended for:

- Concrete with the highest possible water reduction (up to 30%)
- High performance concrete
- Hot weather concreting and concrete with a long transport time and/or extended workability
- High fines concrete (such as with blended cements)
- Concrete produced with very reactive cement.

Advantages:

Through surface absorption and sterical effects separating the binder particles, the following properties are achieved:

- Extremely powerful water reduction (thereby creating high concrete density and high strengths)
- Excellent plasticising effects, resulting in improved flow, placing and compaction characteristics
- Greatly improved water tightness
- Reduced creeps and shrinkage
- Reduced carbonation rate of the concrete
- Micrete SP2 does not contain chlorides or any other materials which promote the corrosion of steel reinforcement. It is therefore suitable for reinforced and pre-stressed concrete.

Product Data:

Appearance:

Colour Yellowish liquid.

Packaging Plastic container:

25 litre

Packaging:

Metal container: 200 litre

IBC: 1000 litre

Technical Data:

Chemical Base: Aqueous solution of modified Polycarboxylate.

Density: 1.06 kg/l

pH Value: 5.5 + 0.5

Effect on Setting Retarding according to dosage.

Dosage:

0.2 - 2.0% by weight of cement.

Application Instruction:

Micrete SP2 is added to the gauging water at the plant or added on site into the concrete mixer.

Allow enough time for the concrete to mix thoroughly.

Shelf Life:

12 months from date of production if stored properly in undamaged and unopened original sealed containers.

Storage Conditions:

Protect from direct sunlight and frost.

Packaging:

25lt jerry can

200lt drums

1000lt flow bins

Storage:

Store in dry conditions and at temperatures between +5°C and +30°C. Protect from direct sunlight and frost.

Limitations:

- If frozen and/or if precipitation has occurred, **Micrete SP2** may only be used after thawing slowly at room temperature and intensive mixing.
- **Micrete SP2** should not be added to dry cement.
- Before pouring, suitability tests on the fresh concrete must be carried out.
- Due to the extended workability, take special care that formwork is properly installed and secured.

Health & Safety:

Refer to MSDS sheet



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