

Product Data Sheet
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Plastiment® TM 25

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Water Reducing and Set Retarding Concrete Admixture

Description A concrete plasticizer specially designed for Roller Compacted Concrete (RCC) structures.
Complies with ASTM C494 Type B&D

Uses Plastiment TM 25 is used in structural and mass concrete where long setting times and improved workability are required, such as projects with:

- Large pours, to prevent formation of cold joints in RCC dams etc.
- Long travel times from the concrete plant to the site
- Difficult placing conditions and details
- High ambient temperature

Advantages

In Fresh state

- Initial setting is delayed allowing time for proper placement and compacting new layer over the retarded RCC, without cold joint.
- Decrease the mortar of concrete bonding volume
- Increase the time available to re compacting the concrete without damaging the material. After the initial set heavy transits can damage the newly hydrated RCC.
- Increase of the cement efficiency
- Diminish the rate of initial heat generation.

In hardened state

- Increase the mechanical strengths in any weather conditions.
- Diminish the heat generation and the cracking risk,
- Increase the density of the RCC

Product Data

Base	Blend of organic substances
Form/Colour	Liquid / brown
Packaging	25 / 200 litres drum and 1000 litres PVC tank
Storage	Dry, cool, shaded place.
Shelf Life	Min. 1 year if stored properly in original unopened packaging



Technical Data

Specific gravity 1.180 – 1.210

Chloride content Nil

Application

Dosage 0.5 – 4.0 ltr per 100 kg of cement (depend on cement type and brand)

Compatibility Possible to combine with all Sikament, Sika Aer, Sika Pump, Sikacrete PP1, but must be added separately to the mix and not pre-mixed prior addition.

Cement types All Portland cement including sulfate resistant cement

Dispensing Plastiment TM 25 is either added to the gauging water prior to its addition to the dry concrete mix or added separately to wetted concrete mix, further mixing should take place for at least 1 minute per m³.

Overdosing When overdosed, setting time will be extended .

Notes on application/ limits Trial mixes are recommended to establish exact dosage rates required to suit individual requirements. If assistance is required, please contact the Sika Technical Service Department.

- Accurate dispensing equipment can be supplied by Sika Ltd.Vietnam
- Use an appropriate mixer and do not mix by hand

Health and Safety information

Ecology Do not dispose into water

Transportation class Non-hazardous

Waste disposal According to local law

Precautionary measures Avoid contact with foodstuffs and utensils. Avoid prolonged skin contact. In the event of contamination wash thoroughly with water. If the eyes or mouth are affected wash with clean water and obtain medical attention immediately.

Disclaimer

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