

EUNICEM SDMP1

Plasticizer for semi-dry mixes



Description

EUNICEM SDMP1 is a liquid air entraining plasticizer designed for use in semi-dry concrete, to improve workability and cohesiveness whilst permitting a reduction in the free water cement content. Addition of the material will subsequently permit improvements in compressive strength and surface finish. EUNICEM SDMP1 combines the effect of deflocculating materials which aids cohesion producing optimum response to the intense vibration/compaction cycles found in block, brick, interlocking pavements, and tile manufacture. This ensures the cement is more widely and evenly distributed maximizing hydration and strength potential, producing a more uniform texture and smoother cement rich appearance. EUNICEM SDMP1 is formulated from carefully controlled materials and is a blend of natural and synthetic raw materials, producing a consistent product.

Advantages

- More uniform texture.
- Sharper edge detail.
- Effective in both air and steam cure conditions.
- More uniform color for pigmented mixes.
- Good surface finish, providing highly aesthetic concrete appearance.
- Reduces mold box wear.
- Smoother, cement rich, denser surface.

Typical Properties

Appearance: Brown liquid

Specific Gravity: 1.13 ± 0.02 at 20°C

Chloride Content: Nil

Storage Life Manufacturer's Drums: 12 months in unopened containers.

Bulk Storage: 12 months from date of delivery.

Compatibility

With cements: EUNICEM SDMP1 can be used with all types of Portland cement including cement replacement materials.

With other admixtures: EUNICEM SDMP1 should not be premixed with other admixtures. The performance of the material may be affected by the presence of other chemicals.

Method of Use

EUNICEM SDMP1 is supplied ready for use. It should be added to concrete mixes during the mixing process at the same time as the water. It should not be added directly to the cement. No extension of normal mixing time is necessary.

Addition Rates Range

0.2% - 0.8% by weight of cement. The performance of EUNICEM SDMP1 is best assessed after preliminary tests to determine the optimum dosage level and effect on the properties of the concrete. As a guide to these trials an addition rate of 200ml - 800ml EUNICEM SDMP1 per 100 kg cement is recommended. Strength gain, ultimate compressive strength and shrinkage when these are of consequence.

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Effects of Overdosing

Serious overdosing EUNICEM SDMP1 will generally produce an increase in workability and cohesion of the mix. This may be accompanied by retardation of the setting characteristics of the concrete. However, provided the concrete is properly cured, the ultimate strength will generally be higher than that of normal concrete.

Dispensing

It is preferable that liquid admixtures for concrete should be introduced into the mixer by means of automatic dispensing equipment. Details are available upon request.

Health and Safety

For further information see the EUNICEM SDMP1 Material Safety Data Sheet.

Packaging

EUNICEM SDMP1 is supplied in nominal 1000 liter, returnable containers. Alternatively, bulk deliveries can be arranged.

Storage

EUNICEM SDMP1 should be stored in conventional sealed containers and protected from the elements.

Technical Service

The Technical Department is available to assist you in the correct use of our products and its resources are at your disposal entirely without obligation.

Contact Information

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