

EUNICEM SDMW

Plasticizer for semi-dry mixes



Description

EUNICEM SDMW is a liquid permeability reducing admixture for use in all types of mortar and concrete mixes. EUNICEM SDMW has particular applications in the cast stone and block making industries, where high aggregate/cement ratios are normally used.

Advantages

- EUNICEM SDMW can be added by means of an automatic dispenser.
- It can be used with grey or white Portland cement or with pigmented mixes to help prevent unsightly efflorescence and irregular leaching out of pigments.
- Precast units, blocks, bricks and other semi-dry concretes containing this type of permeability reducer, retain their original clean appearance when exposed to the elements for considerable periods.
- The durability of concrete finishes is increased because the penetration of rain and moisture is greatly reduced, giving improved resistance to frost damage.
- Aggregate mottling can be prevented in most mixes.
- The reduction in permeability obtained with EUNICEM SDMW is long lasting.

Typical Properties

Appearance: Amber colored liquid

Specific Gravity: 1.04 at 20°C

Sulphate Content: 0.50% as SO₃

Chloride Content: Nil

Freezing Point: -5°C

Storage Life in Manufacturer's Drums: 12 months from date of manufacture.

Bulk Storage: 12 months from date of delivery.

Compatibility

With cements: EUNICEM SDMW can be used with all types of Portland cement including sulphate resisting and cement replacement materials. With other admixtures: EUNICEM SDMW 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 SDMW is supplied ready for use. It should be added to concrete mixes during the mixing process at the same time as the water or the aggregates. It should not be added directly to the cement. No extension of normal mixing time is necessary.

Addition Rates Range

1.0% - 2.0% by weight of cement the performance of EUNICEM SDMW is best assessed after preliminary tests on site using the actual mix under consideration. It has been found to be effective in a wide range of concretes, e.g. in open textured blocks, lightweight blocks, blocks containing grey or white cement, various mixes into which a synthetic color is added and in concrete of normal density. It is difficult to specify a precise level of addition for optimum results to be achieved because of the range of applications. Furthermore, the degree of reduction in surface permeability required can be achieved by varying the dosage level, which typically lies between 1000ml - 2000ml EUNICEM SDMW per 100 kg cement.

Effects of Overdosing

Serious overdosing of EUNICEM SDMW will generally produce an increase in workability and cohesion of the mix. In cold weather this may be accompanied by retardation of setting.

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 SDMW Material Safety Data Sheet, or consult European Concrete Additives.

Packaging

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

Storage

EUNICEM SDMW 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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