

EUNICEM SDMP2

Plasticizer for semi-dry mixes



Description

EUNICEM SDMP2 is a liquid air entraining plasticizer used in semi-dry concrete mixes to improve the cohesiveness and compressive strength of concrete blocks and bricks. These effects are achieved by the combination of the powerful deflocculating and plasticizing action of EUNICEM SDMP2. EUNICEM SDMP2 is formulated from a carefully selected blend of synthetic and naturally derived raw materials to give a consistent product.

Advantages

- Improves cohesiveness and compressive strength.
- EUNICEM SDMP2 allows cement savings of approximately 10%, without loss in strength.
- Increase durability, reduced permeability.
- Effective in both air cured and steam cured conditions.
- EUNICEM SDMP2 is effective in all types of block and brick machines, reducing mold box wear.

Typical Properties

Appearance: Dark Brown liquid

Specific Gravity: 1.13±0.02 at 20C

Chloride Content: Nil

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

Bulk Storage: 12 months from date of delivery.

Compatibility

With cements: EUNICEM SDMP2 can be used with all types of Portland cement including cements replacement materials.

With other admixtures: EUNICEM SDMP2 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 SDMP2 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% - 0.4% by weight of cement. The performance of EUNICEM SDMP2 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-400ml EUNICEM SDMP2 per 100 kg cement is recommended.

Effects of Overdosing

Serious overdosing of EUNICEM SDMP2 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 SDMP2 Material Safety Data Sheet.

Packaging

EUNICEM SDMP2 is supplied in nominal 1000 liter, returnable containers. Alternatively, bulk deliveries can be arranged.

Storage

EUNICEM SDMP2 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

Al-Faiha for Engineering Products
techsupport@alfaihaengineering.com
www.alfaihaengineering.com

v01-02-2022