

DBM[®] P

Plasticiser for Semi-Dry Mixes

Product Description

DBM[®]P is a liquid air entraining plasticiser 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 plasticising action of DBM P.

DBM P is formulated from a carefully selected blend of synthetic and naturally derived raw materials to give a consistent product.

Typical Properties

DBM P	
Appearance	dark brown liquid
Specific Gravity	1.09 at 20 °C
Chloride Content	Nil

Method of Use

DBM P 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.

Advantages

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

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 DBM P SDS (Safety Data Sheet) or consult GCP

Packaging

DBM[®]P is supplied in nominal 210 litre free, non returnable containers.

Alternatively, 1000 litre IBCs or bulk deliveries can be arranged.

Storage

DBM P should be stored in original containers or suitable closed tanks, preferably out of direct sunlight and protected from extremes of temperature.

Storage Life in Manufacturer's Drums:

12 months from the date of manufacture

Storage Life in Bulk Storage:

12 months from the date of delivery

Compatibility with Cements

DBM P can be used with all types of Portland cement including cement replacement materials.

Compatibility with other Admixtures

DBM P should not be premixed under any circumstances with other admixtures. While some admixtures can be usefully combined within the same mix the performance of this product may well be affected by the presence of other chemicals and we recommend that GCP Applied Technologies be contacted for advice in all such circumstances.

Addition Rates

Range: 0.2%–0.4% volume by weight of cement

The performance of DBM P 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 200 ml–400 ml DBM P per 100 kg cement is recommend.

Effects of Overdosing

Serious overdosing of DBM P 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.

Technical Service

The Technical Service Department of GCP is available to assist you in the correct and best use of our products. These resources and advice are at your disposal entirely without obligation. Please contact:

GCP

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