

V-MAR[®] 10 P

Cohesion agent for pump and underwater concrete mixes

Product Description

V-MAR 10 P is a colloid based product giving the concrete a fattier, creamy consistency.

V-MAR 10 P produces a more cohesive, highly workable concrete.

Typical Properties

Appearance	Very light beige powder
Apparent Density	0.65 - 0.75
Sensitivity to Humidity:	Lumps formed if kept outdoors
Chloride Content	< 0.1%
Non toxic, biodegradable and environmentally friendly	

Method Of Use

V-MAR 10 P is supplied in water soluble bags and can be added to the concrete at anytime during the batching cycle. Depending on the dosage level it may be necessary to mix for an additional 1 to 2 minutes, as a slight temporary stiffening may occur at the start of mixing process, this temporary condition is generally associated with high dosage levels.

The addition of V-MAR 10 P will have no noticeable effect on the following:

- air contents
- short, medium or long term mechanical properties

For underwater concrete, it is recommended that a superplasticiser is used with V-MAR 10 P in order to increase the workability to make the concrete suitable for placing by tremie or other suitable means.

Dosage Rate

Improved pumping and anti-segregation: 50 - 150 gms/m³.
Underwater concrete: 0.1 - 0.5% of cement weight (normal average dose 0.3%). Compatible with all cement types.

Packaging

1.2 kg water soluble bags with 12 x 1.2 kg in a plastic tub.

150 g water soluble bags with 80 x 150 g in a plastic tub.

Storage & Transport

2 years in original, properly sealed packaging Do not store in damp conditions. Transport is Not regulated.

Health and Safety

For further information on Health and Safety matters regarding this product we recommend that you consult the relevant Safety Data Sheet from GCP Applied Technologies.

In line with general chemical handling precautions avoid contact with skin or eyes and protective gloves/goggles should be worn.

Technical Service

Our Technical Service department of GCP Applied Technologies is available to assist you in the correct use of our performance chemicals.

Advantages

- Greatly reduced underwater washout
- Improved pumping qualities
- Reduced pumping pressures, and improved pumping distances
- Reduced segregation



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