

BUILDSHOT LM

Modified liquid accelerator for shotcrete

DESCRIPTION : **BUILDSHOT LM** is a quick setting compound available in liquid form used with sprayed concrete or gunite.

USES : **BUILDSHOT LM** is used for sprayed concrete and mortar in galleries and tunnels, for retaining walls, embankment, tank linings etc. **BUILDSHOT LM** admixed mortar sets rapidly. Therefore, quick placing for the wet mortar is recommended.

FEATURES

- ❖ Allows spraying to take place even on wet surface, subject to slight infiltrations.
- ❖ Speeds the work and contributes to good water-tightness of the sprayed concrete linings.
- ❖ Reduces rebound.
- ❖ Brings down the slump to zero at shooting point.
- ❖ Does not contain any form of chloride or nitrate and will not corrode steel.

METHOD OF APPLICATION

BUILDSHOT LM shall be used with either the wet or dry mix shotcrete process at an average of 5 - 7% by weight of cement. Dosage upto 10% is permissible depending upon the site requirement.

DOSAGE

The optimum dosage should be determined by site trails. However, the rate of addition is generally in the range of :

Dosage	Initial Set	Final Set
5 %	3 – 4 minutes	20 minutes
7%	3 minutes	15 minutes

However, gelation starts in less than one minute of mixing with cement. Slump becomes almost zero at shooting point. The above results are based on Gillmore Test.

TECHNICAL DATA

Form	:	Liquid
Colour	:	Colourless (clear)
Specific gravity	:	1.38 ± 0.02
Consistency materials	:	BUILDSHOT LM is formulated from modified silicate and is manufactured under controlled conditions to give a consistent product. It is formulated from chemicals which present no fire or health hazards.
Shelf life	:	One year if stored in sealed containers at normal ambient temperature.
Packing	:	BUILDSHOT LM is available in 300 kg. drum.
Health & Safety	:	Non-toxic. non-inflammable, eco-friendly.