

BUILDSHOT

Accelerating & waterproofing shotcrete admixture

DESCRIPTION : BUILDSHOT possesses a strong ability to accelerate the setting time of concrete and cement based mortar. It is most often used for producing dry process shotcrete.

USES : BUILDSHOT ensures to stabilise the loose rock during excavation of tunnels, galleries, retaining walls, embankment and tank linings etc. BUILDSHOT admixed mortar/concrete sets very quickly.

FEATURES

- ❖ Allows spraying to take place even on wet surface, subject to slight infiltration.
- ❖ Speeds the work and contributes to good waterproofness of the sprayed concrete lining.
- ❖ Reduces rebound.
- ❖ Does not contain any form of chloride or nitrates and will not corrode steel.

METHOD OF APPLICATION

BUILDSHOT shall be pre-mixed with dry sand, gravel and cement mixture. No moisture/water shall be mixed during transportation of dry shotcrete mix. Guniting shall be done by nozzle where water is mixed with dry concrete. Actual dosage of BUILDSHOT and amount of mixing water must be determined by site trial only.

TECHNICAL DATA

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| Form | : | White/Off white free flowing powder |
| Bulk density | : | 0.8 – 1.02 g/cc |
| Chloride | : | Nil as per BS 5075 Part I |
| Dosage | : | 2% to 5% by weight of cement. |
| Shelf life | : | Six months if stored in cool and dry place. |
| Setting time @3% by weight of Cement (fresh OPC) : | | |
| Gillmore initial set | : | 2 – 3 Minutes |
| Gillmore final set | : | 9 - 10 minutes depending on type of cement. |
| Consistency | : | BUILDSHOT is formulated from selective raw materials and extensive trials are conducted to give a consistent product. |
| Packing | : | 50 kg. bags. |
| Health & Safety | : | Non-toxic, non-inflammable, eco-friendly. |