

TECHNICAL DATA FOR BS DRYCRETE

Chloride free admixture for concrete to give integral waterproofing properties.

Description of BS Drycrete

BS Drycrete is a chloride free integral waterproofing admixture for concrete with plasticizing properties.

It can also be used as an admixture for pre-stressed concrete. The blending of BS Drycrete in the concrete contracts capillaries thus rendering the concrete mass dense and waterproof. BS Drycrete is suggested for usage in production of waterproof concrete in conformance to with IS 2645

Advantages of BS Drycrete

1. Addition of BS Drycrete in the concrete mix allows the reduction of about 15% mixing water without altering the workability of the mix. This property of BS Drycrete makes it possible to control and maintain the water cement ratios as low as possible, which is of considerable importance in the preparation of watertight concrete.
2. BS Drycrete brings about contraction of capillary pores and increases density of concrete making it watertight.
3. The addition of BS Drycrete in the concrete results in the even distribution of cement binder, which enables efficient binding of aggregates.
4. The homogenous cement gel production prevents the likely settlement of heavy coarse aggregates and prevents the problems of bleeding in fresh concrete
5. The results of the laboratory tests carried out for the testing of waterproof concretes reveal that the depth of penetration of water was considerably lowered by addition of BS Drycrete

Instructions for use of BS Drycrete

1. BS Drycrete needs to be mixed with gauging water or can be added to concrete during the process of mixing.
2. Mixing should be continued for at least two minutes after the addition of BS Drycrete.
3. The gauging water should be properly adjusted taking into account the water reduction brought about due to the addition of BS Drycrete.
4. BS Drycrete should be added at a rate of 0.3% to 0.5% of cement weight subject to minimum of 1kg/m³ of the concrete mix. However, the exact quantity of BS Drycrete to be added in the production of waterproof concrete would be best determined by conducting site tests.

Product properties of BS Drycrete

1. It imparts excellent integral waterproofing properties in the concrete mortar
2. It makes the concrete mortar watertight
3. It makes the concrete mortar resistant to thermal variations
4. It is safe to use and doesn't include any harmful chemicals such as chloride
5. It makes cement savings possible by 5%

Smart Chemistry for Construction

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Essential Data for BS Drycrete

Properties	Unit	Value	Comments
Density	Kg / cm	1.10	+/- 0.02
Mix Ratio	% by weight of cement	0.30% to 0.60%	Minimum 1kg / m ³ of concrete mix should be used

Physical properties of BS Drycrete

Colour	Dark Brown
Shelf Life	12 months from MFG date
Pack Sizes	200Kgs / 20Kgs / 05Kgs
Storage	Store in shade. Protect from frost
Disposal	Empty contents fully & preserve cap for reuse.