

TECHNICAL DATA FOR BS SKYCAST-A

Compaction Agent for the Precast Concrete Elements

Description of BS Skycast-A

BS Skycast-A is a special admixture for the Precast Concrete industry. It is a new generation admixture that is chloride free & provides excellent compacting for the precast concrete mixes.

- It is an admixture system that is specially designed for Precast Production & Concrete Elements,
- Fly Ash Bricks
- Block manufacturing

BS Skycast-A is compatible with all types of cement mixes, fly ash and mineral aggregates. BS Skycast-A helps to achieve better final finish & higher strength in the elements. BS Skycast-A is to be added to the concrete mixture along with water using a suitable dosing system.

Advantages of BS Skycast-A

- 1) Reduces losses caused by damage in the final product when packing & storing as final strength is improved.
- 2) It improves water imperviousness making the final product more water resistant.
- 3) BS Skycast-A improves the stability of green concrete and surface texture.
- 4) BS Skycast-A helps in improving resistance against frost and de-icing-salts.
- 5) Provides improved production optimization
- 6) Improves service life of the machineries and form works.

Areas of Application BS Skycast-A

BS Skycast-A combination is suggested for,

- 1) Production of Precast Concrete Elements
- 2) Also advantageous for AAC Concrete Block Production
- 3) Coloured Concrete Precast Elements
- 4) Concrete Pavers
- 5) Sidewalk slabs
- 6) U-slabs

Technical benefit of BS Skycast-A

1. The BS Skycast-A system after being mixed in the concrete mix starts chemical & physical interaction in the wet mix elements. This results in increased

dispersion of the cement paste leading to a lubrication effect between the metal/steel mold and the concrete during the production process. This results in improved surface properties along with better final finish & strength due to lower micro pores.

2. It also improves the bonding of the cement paste to the aggregate materials of all types due to advanced compatibility factors of the system.
3. Dose of BS Skycast-A may be from 0.5% to 5% in the mixes to achieve desired results.

Properties of Material Supplied: BSSkycast-A

Property	Unit
Colour, Appearance	Sky Blue, Hazy Translucent
Consistency	Uniform Liquid
Base	Water Based
Form of Delivery	20Kg and 225Kg
Storage	Indoors, protect from the Sun and a well ventilated area.

Technical Properties of BS Skycast-A

Property	Unit	Value	Comment
Density	Kg/dm ³	Approx. 1.01	± 0.02
Dosage Range	%	0.5% – 5%	By Weight of Cement
Max. Chloride content	%	< 0.1	By weight
Max. Alkali Content	%	< 5.0	By weight

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Safety and Handling:

Use gloves, goggles and barrier cream. Avoid contact with skin. Ensure adequate ventilation during application. For further details, refer to the Material Safety Data Sheet.

Storage and Shelf Life:

Buildsmart products should be stored in a well ventilated place. The area of storage shall be covered protecting the material from direct sunlight. The shelf life of these products shall be one year from the date of manufacture in a sealed unopened container.

Disclaimer:

This information is intended only for general guidance in the application of our product. It has been obtained by careful investigation and represents the present state of our knowledge and experience. Because of the large number of possible methods of application and processing we are not able to assume responsibility in any one particular case for either the technical results or the patent rights situation applicable to the country under consideration.