

TECHNICAL DATA FOR BS SKYCAST-PT

Accelerator Aid for concrete and Precast Concrete

Description of BS Skycast-PT

BS Skycast-PT is a chloride free admixture to accelerate the setting of concrete and have early strength gain of Portland cement concrete and mortar mixes.

BS Skycast PT acts as a high early strength plasticizer and gives significant increases in both ultimate and early strengths. Its typical applications include precast concrete, concrete placed in cold weather, concrete for repairs, mortars for brickwork or where faster strength gains are required in concrete works.

Advantages of BS Skycast-PT

- 1) BS Skycast-PT is chloride free, safe in prestressed and reinforced concrete
- 2) Produces high early strengths plasticizing action gives increased workability and increased Strengths
- 3) Early setting improves frost resistance.
- 4) Suitable for bricklaying mortar mixes particularly
- 5) effective in concrete at low temperatures & precast segment.

Areas of Application BS Skycast-PT

BS Skycast-PT combination is suggested for,

- 1) Production of Precast Concrete Elements
- 2) Coloured Concrete Precast Elements
- 3) Concrete Pavers Blocks and Tiles
- 4) Terrazzo Tiles Production
- 5) Sidewalk slabs
- 6) U-slabs

Technical benefit of BS Skycast-PT

1. The BS Skycast-PT 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 hydration effect between the mortar / concrete mix during the production process. This results in increased high early strength 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-PT may be from 0.5% to 5% in the mixes to achieve desired results.

Properties of Material Supplied: BS Skycast-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-PT

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

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.