

SUNKOLL PAVER BLOCK HARDENER

Technical Data Sheet

SUNKOLL[®]
ABILITY ♦ STABILITY ♦ DURABILITY

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Main application

Used in the production of concrete paver blocks to enhance strength and durability, ensuring they withstand heavy loads and weather conditions.

SUNKOLL PAVER BLOCK HARDENER is a chloride free admixture to accelerate the setting of concrete and have early strength gain of Portland cement concrete and mortar mixes. SUNKOLL PAVER BLOCK HARDENER acts as a high early strength plasticizer and gives significant increases in both ultimate and early strengths.



Technical advantage of SUNKOLL PAVER BLOCK HARDENER

- SUNKOLL PAVER BLOCK HARDENER is chloride free, safe in prestressed and reinforced concrete.
- Produces high early strengths plasticizing action gives increased workability and increased Strengths.
- Early setting improves frost resistance.
- Suitable for bricklaying mortar mixes particularly
- effective in concrete at low temperatures & precast segment.

Areas of Application

- Production of Precast Concrete Elements
- Coloured Concrete Precast Elements
- Concrete Pavers Blocks and Tiles
- Terrazzo Tiles Production
- Sidewalk slabs
- U-slabs

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Water Proofing Chemicals | Adhesives | Grouts/Epoxy Grouts | Wall Putty

Technical benefit

- The SUNKOLL PAVER BLOCK HARDENER 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.
- It also improves the bonding of the cement paste to the aggregate materials of all types due to advanced compatibility factors of the system.
- Dose of SUNKOLL PAVER BLOCK HARDENER may be from 0.5% to 5% in the mixes to achieve desired results.

Storage and Shelf

- 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.

Technical Properties

Property	Unit	Value	Comment
Density	Kg/dm	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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SUNKOLL Green Building Index :

SUNKOLL Range of Products are most eco-friendly and suitable to use in all kind of buildings including certified green. Apart from using best of international raw material for best performance, SUNKOLL procure the major raw material locally to safeguard environment.

SUNKOLL Quality & Safety Assurance

Products supplied are safe to use by any worker at site. However proper tools and safety measures must be in place for prolong working. The gloves, safety glasses and other protection measure must be followed as per local regulation.

Declaration :

Check before using the product about performance and final expected results. **SUNKOLL** cannot be held All the above information and results are provided based on **SUNKOLL** internal quality test. Customer must responsible for any damage of whatsoever nature at site.

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