

COSTAR CONCRETE CURE 30

Water-Based Concrete Curing Agent



PRODUCT DESCRIPTION

COSTAR CONCRETE CURE 30 is a water-based concrete curing compound, carefully crafted using hydrocarbon resins, suitable for application on various concrete surfaces, both interior and exterior, whether vertical or horizontal. When applied to newly poured concrete, Costar Concrete Cure 30 eliminates the need for conventional moist curing techniques while concurrently enhancing the strength and durability of the concrete surface. Its effective formula enables sustainable curing, hardening, and sealing of fresh as well as hardened concrete, offering comprehensive benefits for concrete construction projects.

FEATURES

- Outstanding moisture escape resistance
- Effective water-splashing resistance
- Mild and tolerable odor
- Supports sustainable curing of freshly placed concrete.
- Seals various types of concrete surfaces

APPLICATION AREAS

- Suitable for application on fresh and hardened concrete surfaces, whether pre-cast or cast in place.
- Applicable on horizontal and vertical concrete surfaces, whether old or new, providing a durable surface with light to moderate abrasion resistance, making it ideal for various locations like warehouses, industrial plants, stores, shopping malls, parking structures, service stations, hangars, and more.
- Can be used for both interior and exterior areas.
- Ideal for sealing concrete surfaces.
- Suitable for use on prefabricated concrete elements.

CURING

COSTAR CONCRETE CURE 30 facilitates effective curing by preserving moisture in newly poured concrete, eliminating the necessity for water curing. This product is particularly beneficial in preventing premature drying in conditions of warmth, dryness, or strong winds. By ensuring proper curing, concrete treated with COSTAR CONCRETE CURE 30 will achieve enhanced strength, improved resistance to wear, increased durability, and minimized shrinkage cracks.

SURFACE PREPARATION

- Surface must be cleaned from any loose particles, dust, grease, oil, scale and rust.
- The curvatures/slopes on horizontal and vertical surfaces should be leveled with a bedding/Costar Repair Mortar.
- Oil stains, dirt and other surface contaminants must be removed.

APPLICATIONS INSTRUCTIONS

- COSTAR CONCRETE CURE 30 is a ready-to-use product designed for application after the concrete surface has been finished, and the new concrete has reached a hardened state with no visible surface sheen.
- To apply, use a garden sprayer, and administer two thin coats in perpendicular directions.
- Ensure even distribution to cover an area of 200 ft²/gal (4.9 m²/L) for optimal results.
- Any excess or pooled product can be spread out and removed using a brush.
- After usage, promptly clean application tools with water.
- It's crucial to achieve an even application, especially when working with colored concrete, as uneven application of COSTAR CONCRETE CURE 30 may lead to irregular coloration.

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TECHNICAL PROPERTIES

Packaging	20ltrs
Appearance	Transparent Clear Liquid
Shelf life	12 months from date of production
Storage condition	Product must be stored in original, unopened, and undamaged sealed packaging in dry condition and temperature between +5°C and +35 °C.
Base Substance Formulation	Water based acrylic copolymer
Solid content	24%
Re-Coat time	~ 2–4 hours
Applicable Standard	ASTM C309 Standard Specification for Liquid Membrane-Forming Compounds for Curing Concrete
Density	~1.13 kg/l (at +20 °C)
Relative Air Humidity	100 % max.
Substrate Temperature	+5 °C min. / +35°C max.
Substrate Moisture Content	can be utilized on fresh concrete, with the absence of bleed water.
Tensile Adhesion Strength	4.8 N/mm2 (EN 1542)
Touch Dry	Approximately 2-4 hours at +20 °C
Resistance to Impact	58 Nm (class III: ≥ 20 Nm) (EN 6272-1)
Abrasion Resistance	55 mg or 81.5 % increase in abrasion resistance compared to untreated sample (EN 5740-1)
Penetration Depth	5.5 mm (EN 1504-2)
Curing compound	1–2 coats
Hardener / Sealer	1–2 coats
Consumption	4–7 m2/l/coat

CAUTION

- Do not use this product on non- porous, sealed or painted surfaces.
- Do not leave puddle.



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STORAGE AND SHELF LIFE

Protect from freezing, if frozen or crystallized, thaw gradually and stir to homogenous mixture. Shelf life in unopened original containers is 12 months when stored at 70°F (21°C).

LIMITATIONS

- Apply when concrete surface temperatures are 40°F (4°C) and rising.
- Provide adequate ventilation in enclosed areas to facilitate proper drying.
- Do not puddle

HEALTH & SAFETY

- Please ensure that hand gloves and goggles are worn during installation
- Apply in ventilated areas, away from flames
- It is only important that during application and after application, standard safety procedures are done.
- Please consult current MSDS for product.
- *For Professional Use only.*

ADDITIONAL INFORMATION

Costarchem manufactures a complete range of construction chemical products which include:

- Concrete admixtures
- Waterproofing system
- Flooring system
- Cementitious and epoxy precision grouts
- Damp-proofing products
- Sealants and adhesives
- Repair and refurbishment systems

For more information on any of our products, please contact Costarchem global or regional office.

LEGAL NOTE

The information and recommendations relating to the application of Costarchem products, are given in good faith based on current knowledge and experience of the products when properly stored, handled and applied under normal conditions in accordance with the stated recommendations in the product datasheets. Whilst Costarchem endeavors to ensure that any advice, recommendation, specification of information it may give is accurate and correct, it cannot, because it has no direct or continuous control over where or how its products are applied, accept any liability either directly or indirectly arising from the use of its products, whether or not in accordance with any advice, specification, recommendation of information given by it. The user of the product must test the product's suitability for the intended application and purpose. Costarchem reserves the right to change the properties of its products. The proprietary rights of third parties must be observed. All orders are accepted subject to our current terms of sale and delivery. Users must always refer to the most recent issue of the local Product Data Sheet for the product concerned, copies of which will be supplied on request.