

COSTAR REPEL SP

Solvent-Free Water Repellent and Protector on Porous Surfaces



PRODUCT DESCRIPTION

Costar Repel SP represents a cutting-edge solution meticulously designed to fortify various substrates, including concrete, brick, stone, and masonry, against the pernicious infiltration of rainwater, all the while preserving the innate aesthetic charm of the treated surface.

Through a meticulous process of penetrating action, this formulation seamlessly integrates with the substrate, delving deep into its structure to establish a robust shield against moisture ingress. This enduring protection translates into sustained water repellency and enhanced longevity, ensuring that the treated surface remains impervious to the corrosive effects of water for an extended period.

Notably, Costar Repel SP distinguishes itself by its solvent-free composition, rendering it environmentally friendly and devoid of harmful emissions. Moreover, its unparalleled resilience against the deleterious impact of ultraviolet rays from the sun underscores its steadfast performance even in the most demanding environmental conditions.

ADVANTAGES

- **Resilient to Ultraviolet Light Exposure:** Exhibits exceptional durability when subjected to ultraviolet (UV) radiation, ensuring longevity and maintaining structural integrity even under prolonged sun exposure.
- **Hydrophobic Barrier:** Formulates a water-repellent shield, safeguarding surfaces from rainwater infiltration while preserving their original aesthetic appeal, making it ideal for maintaining architectural integrity and visual appeal.
- **Effortless Application:** Facilitates seamless and straightforward application processes, streamlining operational efficiency and minimizing labor-intensive tasks, thereby optimizing overall project timelines.
- **Optimal Curing Time:** Demonstrates favorable curing characteristics, achieving expedited curing times without compromising on quality, allowing for

efficient project completion and minimizing downtime.

- **Versatile Adhesion:** Exhibits superior adhesion properties across a diverse spectrum of substrates, ensuring reliable bonding and compatibility across various surface materials, enhancing overall versatility and applicability.
- **Cost-Effective Waterproofing Solution:** Delivers cost-efficient and accessible water penetration protection, offering a budget-friendly solution without compromising on performance or quality standards, making it an economically viable choice for diverse applications.

APPLICATION AREA

It is suitable for use on all types of masonry including;

- concrete brick, render and stone surfaces.
- Pebble dashing.

SURFACE PREPARATION

- Surface should be sound, clean and free of dust, oil, grease and curing compound.
- Loosely adhered particles such as rust scale, cement smears should be thoroughly cleaned with a wire brush or another such implement.
- Concrete all new concrete surfaces must be fully cured (6-8 weeks) with a semi-rough surface appearance. Rendered surfaces must be allowed to cure for a minimum of 7 days prior to the application of Costar Repel SP.

APPLICATION

- Costar Repel SP can be applied by brush, roller or low pressure spray.
- Apply the product until there is no absorptions.
- On very absorbent surfaces, wet on wet application of repeated coat is recommended.
- Application of Costar Repel SP on non-porous surfaces is not recommended.

CONSUMPTION: 0.5 Liter per square meter per coat (depending on porosity of surface and application technique)

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TECHNICAL PROPERTIES

Packaging	5ltrs, 20ltrs
Appearance	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.
Specific Gravity	~ 1.15
Solid content	50 - 58%
Drying time	~4 hours
Tensile strength	> 1.0 N/mm ² (ASTM D-412)
Ultimate Elongation	~450% (ASTM D-412)
Substrate temp	+5 °C min. / +35 °C max

PRECAUTION FOR USE

- For exterior use only.
- Do not apply to floors, this product is designed for application to external walls only.
- Do not apply in very cold or wet conditions. Do not apply to painted surfaces.
- Costar Repel SP Solvent-Free is not intended as a damp-proof membrane, or for use in below ground waterproofing applications.
- Do not use on structures which hold potable water.
- This product must not be used for waterproofing ponds or pools.
- Also, take care to prevent run-off getting into nearby pools or ponds. Do not use around swimming



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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).

STANDARD COMPLIANCE

Conforms to the requirement of ASTM D412.

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.