

# COSTAR PRIMER 20

Single Component Resin Based Polyurethane Primer



## PRODUCT DESCRIPTION

Costar Primer 20 is a one-component resin-based polyurethane primer explicitly created to seal cementitious substrates before applying the Con Seal 250 Polyurethane Waterproofing Membrane.

## FEATURES

- Provides excellent adhesion between substrate and topcoat.
- Resistant to water and chemicals.
- Compatible with most concrete, masonry, and stone substrate materials
- Fills the pores of concrete and similar substrates
- Fast curing, single component; easy to use
- Low VOC
- Provides durable primed surface after curing

## APPLICATION AREAS

- Costar Primer 20 is suitable for use on most sound substrate surfaces where both a penetrative and surface lying effect is required.
- Concrete or similar substrates.
- Polyurethane based topcoat.
- Polyurethane based parquet and floor coating.
- Suitable for interior residential applications, such as apartments and condominiums.
- Designed for interior commercial use in office buildings, hotel rooms, hallways, restaurants, and cafeterias.
- Ideal for interior heavy commercial spaces, including hotel lobbies, convention centers, airports, shopping malls, grocery stores, and department stores.
- Appropriate for interior institutional settings like hospitals, schools, universities, libraries, and general buildings. and homes)

## MIXING AND APPLICATION

Thoroughly shake the primer to agitate the contents, ensure all solids are distributed throughout the dispersion and a uniform consistency is achieved.

## APPLICATION

### Substrate Preparation

Adequate and detailed surface preparation is essential for durability of product after installation. Before application surface must be clean, dry and without contamination. The compressive strength of substrate must be at least 25MPa and cohesive bond strength must not be less than 1.5MPa.

### Application

#### Concrete

The compressive strength of substrate must be at least 25MPa and cohesive bond strength must not be less than 1.5MPa. It should be cleaned and prepared to achieve a laitance and contaminant-free, open textured surface by blast cleaning or equivalent mechanical means (CSP-3 per ICRI guidelines). Sweep and vacuum any remaining dirt and dust with a wet/dry vacuum. Removing residual dust will help ensure a tenacious bond between the primer and substrate.

#### Plywood

The substrate should be clean and smooth, APA and exterior grade, not less than 1/2" thick, and spaced and supported according to APA guidelines. Joints may need embedded fabric reinforcement. Maximum moisture content 4%.

## APPLICATION METHOD

Costar Primer 20 is ready to use. Before the application, primer must be mixed well and then applied with a roller. To completely cover pores on absorbent surfaces second coat should be applied at least 6-8 hours.

## CONSUMPTION

Approximately 2-3m<sup>2</sup> per liter

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## TECHNICAL PROPERTIES

Packaging	5liter, 10liters
Appearance	Viscous 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.
PH	6.5 - 8
Application Tool	Roller, Brush or Spray.
Application Temperature	Not Below 5° C
Substrate Temperature Condition	Not Below 5° C
Specific gravity	Approximately 1.12@25° C
Consumption	Theoretical Consumption of 2-3m <sup>2</sup> / liter can be adopted.  Note: Consumption is affected by substrate porosity.
Chemical Resistance	Not intended for direct exposure

## PRECAUTION

To access complete health and safety hazard details, as well as guidelines for the secure handling and usage of

this product, please acquire a copy of the Safety Data Sheet (SDS) from our office or website.

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## SHELF LIFE

12 months from date of manufacturing when unopened and stored under proper condition. Keep in a cool and dry place away from direct sunlight.

## PACKAGING

5liter, & 10 liters

## HEALTH & SAFETY

- In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
- Wear suitable protective clothing, gloves and eye/face protection.
- If swallowed, seek medical advice immediately and show this container or label.
- Keep the coating materials above 10C.
- Do not apply when surface temperature is below 10°C or over 35°C
- Do not apply in environments of high humidity/moisture, or if pending rain is a possibility.
- Once mixed, it must be used within its pot life as specified in earlier section

## CLEANING

Clean tools and equipment with industrial type solvents immediately after use. Dried material can only be removed mechanically.

## 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.