

# COSTAR GEO-TEXTILE FABRIC

Non-Woven Geo-Textile Fabric



## PRODUCT DESCRIPTION

Costar Geo-Textile fabric is a resilient polymeric non-woven material crafted from stable polyester fibers, distinguished by its exceptional dimensional stability. Specifically engineered for integration into liquid membranes, it serves the critical function of reinforcing areas that necessitate a watertight membrane application. Upon amalgamation with the waterproofing membrane, this fabric imparts heightened physical attributes, significantly augmenting the overall tensile strength of the membrane. Importantly, it lacks hazardous characteristics and demonstrates non-biodegradable properties. In addition to its role in membrane reinforcement, Costar Geo-Textile fabric is versatile in serving as a surface leveling and protective geotextile layer beneath sheet waterproofing membranes. Its applicability extends to diverse underground structures such as tunnels, basements, and various subterranean constructions.

## FEATURES

- Robust and easily installable.
- Good resistance to tearing and puncturing
- Doesn't require welding for joining
- Adaptable to fit many different detailing tasks
- Possessing remarkable resistance to aging, this material exhibits a notable combination of high tensile strength and elongation.
- Furthermore, it displays exceptional flexibility even in cold temperatures and can be seamlessly installed on damp and wet substrate coated with suitable liquid waterproofing membrane.

## USES

- Employed as a reinforcement in essential areas, including construction details, connections between walls and floors, gaps, joints, flashing, and pipes, among other applications.
- Reinforcement and drainage functions in soil, rock and waste materials

- Applied in numerous civil engineering and construction scenarios, designed to provide a system with liquid membranes such as Costar Conseal 250 Liquid Jointless Polyurethane waterproofing Membrane.

## APPLICATION

The application and site conditions dictate whether the geotextile fabric can be loosely laid. Ideally, the surface should be clean, devoid of debris and large voids:

- Initiate the application process by applying the initial layer of the designated liquid membrane as per the specified requirements.
- Unroll the Costar Geo-Textile Fabric adjacent to the prepared substrate and proceed to embed it into the liquid membrane.
- Ensure proper jointing by overlapping rolls with a minimum margin of 5 cm, increasing to 10 cm for aged bitumen substrates or special cases of sensitive substrate areas.
- The overlapping layer should be unrolled and consolidate the overlaps using a painter's roll for secure adhesion.
- Exercise meticulous care at critical application points, such as wall/floor connections, pipes, siphons, gutters, etc.
- In instances of damages occurring during installation, such should be addressed promptly by covering with a segment of the Costar Geotextile Fabric and Waterproofing Membrane Liquid.
- Damage area treatment should overlap with the cover extending at least 0.10m beyond the damaged area.
- Costar Geotextile Fabric can be accurately sized using scissors or a knife,
- It is highly recommended to affix the patches in place during the application of the first layer, utilizing the same liquid membrane for secure fixation.

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## TECHNICAL PROPERTIES

Type	Non-Woven Geo-Textile Fibre Material
Color	White
Storage Conditions	Store in dry conditions and protected from heat
Application Relative Humidity	<85%
<b>Tensile Strength DaN/5cm</b>	
(Machine Direction MD)	>15
(Cross Direction CD)	>11
<b>Elongation at Break</b>	
%MD	> 39
%CD	> 49
Average Thickness	0.55-1mm
Roll Packaging	(1 X 400) m

### STORAGE AND SHELF LIFE

Store in a cold dry place. With proper storage material can be stored and used within 12 months.

### STANDARD

Conforms to the requirement of TSE 3078 – ASTM D 2240

### 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.