Transguard® 4000
Reusable Wet Curing Covers
About Reef Industries

Does your project specify wet curing control?

The American Concrete Institute recommends maintaining a satisfactory moisture content for the best concrete curing results. Lack of sufficient moisture during the curing process can cause cracking, dusting, scaling and crazing. Transguard® 4000 provides an effective way to maintain appropriate moisture levels during curing. No company is better able to support your efforts than Reef Industries, the pioneer and industry leader in reinforced laminates and composites for concrete curing control and vapor retarder applications.

Armorlon products offer the durability and strength of canvas but possess the flexibility and ease of handling of a far lighter material. Transguard 4000 is a concrete curing control material for both field and pre-cast applications. Armorlon, where value and performance go hand in hand.

Reef manufacturing and fabrication encompasses a host of different production processes, equipment and machinery housed in three plants.

The foundation of all Reef products is film. Extruded via the most advanced technology and equipment available, films are formulated to possess performance characteristics necessary to a broad spectrum of downstream products. Intermediate conversions such as lamination, printing, slitting, coating and treating take place in preparation for finished goods fabrication. Fusion welding, heat sealing, sewing and a variety of special or proprietary techniques take place in two modern fabrication plants and produce finished goods for a diverse array of industries.

Reef Industries Inc. offers the most experienced and capable sales staff in the industry. Among our sales managers exist nearly 120 years experience with Reef and an average tenure of more than 10 years. That kind of stability says something about a company and how it serves its customers. We’re proud of our reputation and hope to share that experience with you.

CONTACT INFORMATION

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Product Description & Application:

Transguard® 4000 is a natural colored polypropylene non-woven fabric with a white polyethylene backing that allows for proper moisture control during the concrete curing process, reducing cracking, dusting and scaling. The lightweight, reusable wet cure covers are more flexible than other curing materials, resulting in much easier installations, that save time, labor and money.

Transguard® 4000 features exceptionally low permeability and will retain water to permit the concrete to achieve maximum expansion. Transguard is available in stock sizes and also custom fabricated sizes to meet the requirements of nearly any application, including specialized bridge support columns and caps, as well as flatwork pavement projects.

Features & Advantages

- Easily handled-Fewer people can install in less time.
- Low permeability-Superior water retention; reduces amount of rewetting.
- Reflective-Reflects heat to decrease moisture loss.
- Reusable-Synthetic material; will not rot or deteriorate like burlap.
- Seals easily and effectively at edges and overlaps.
- Does not produce brown stains or affect the appearance of concrete.
- Allows for light traffic during the curing process without damaging the concrete.
- Stock sizes available for immediate shipment.
- Complies with AASHTO Specification M-171 for reflection and moisture retention and is D.O.T. approved in most states.
Transguard® 4000 Installation Instructions:

The material must be applied with the white polyethylene side up, so that moisture will entirely cover the full span of the deck. The blankets should be placed so that adjoining blankets overlap at least 6”. All laps and outside edges shall be weighted to prevent displacement of blanket before curing is completed. Weighting and overlapping should be performed so as to ensure intimate contact between the blanket and concrete surface. Transguard® 4000 should be soaked thoroughly on the non-woven synthetic side, re-wetting when necessary may be performed by the use of a soaker hose or equivalent.

Transguard® 4000 is used for various applications, and care should be taken to keep a check for proper moisture retention.

Stock sizes available for immediate shipment.

Wet the exposed concrete.
Apply Transguard® curing covers.
Place Transguard® covers so they lay flat, with a minimum 6” of overlap.
Check daily for proper moisture content.
Refer to project specifications for the required curing period.
Re-wetting may be performed by the use of a soaker hose or equivalent.
Transguard’s superior water retention reduces the amount of re-wetting.
Transguard® 4000
Reusable Wet Curing Covers

Physical Properties & Typical Values
Transguard 4000 consists of a natural colored polypropylene non-woven fabric with a white polyethylene coating applied to one side. The non-perforated white coating contains ultraviolet light stabilizers providing protection against UV degradation.

<table>
<thead>
<tr>
<th>Property</th>
<th>ASTM Test Method</th>
<th>US Value</th>
<th>Metric Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Standard Weight</td>
<td>D-2103</td>
<td>60 lbs/1000 ft²</td>
<td>29.5 kg/100m²</td>
</tr>
<tr>
<td>Thickness</td>
<td>D-5199</td>
<td>37 mils</td>
<td>0.9 mm</td>
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<tr>
<td>Grab Tensile</td>
<td>D-4632</td>
<td>97 lbf</td>
<td>430 N</td>
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<tr>
<td>Grab Elongation</td>
<td>D-4632</td>
<td>65 %</td>
<td>65 %</td>
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<tr>
<td>Trapezoidal Tear</td>
<td>D-4533</td>
<td>39 lbf</td>
<td>174 N</td>
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<tr>
<td>Hydraulic Burst</td>
<td>D-3786</td>
<td>220 psi</td>
<td>1.6 Mpa</td>
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<tr>
<td>Water Loss (per 72 hours)</td>
<td>C-156</td>
<td>.0205 lbs/ft²</td>
<td>.1 kg/m²</td>
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<tr>
<td>Reflectance</td>
<td>E-1347</td>
<td>84 %</td>
<td>84 %</td>
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</tbody>
</table>

The information provided herein is based upon data believed to be reliable. All testing is performed in accordance with ASTM standards and procedures. All values are typical and nominal and do not represent either minimum or maximum performance of the product. Although the information is accurate to the best of our knowledge and belief, no representation of warranty or guarantee is made as to the suitability or completeness of such information. Likewise, no representation of warranty or guarantee, express or implied, or merchantability, fitness or otherwise, is made as to product application for a particular use.

Call Today for Samples and Specification Guide
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