VR LITE
EXTENSIVE THIN LIGHTWEIGHT BUILT-UP SYSTEM

SYSTEM OVERVIEW

Tremco’s VR LITE vegetated roof assemblies give designers all the functional elements of a high performance green roof adapted to budgetary and structural limitations. VR LITE systems offer succulent planting options in three growing media depths to suit your project’s design parameters.

Whether you are concerned about cost, maintenance, or structural load capacities, there is a VR LITE system that is right for your project, while still providing storm water retention and ecologically sustained plant communities that consistently out-perform comparable green roof systems.

Don’t settle for second rate green roof systems anymore. With Tremco’s VR LITE, you can deliver the green roof landscape you want, without breaking the bank or the roof.

STANDARD FEATURES & OPTIONS

- A heavy-duty percolation layer provides drainage below the growing media and prevents root rot
- Upgrade to a combined water retention and drainage panel for additional storm water retention
- Standard growing media depths of 2”, 3” and 4”
- Desert Succulent plantings can be installed via cuttings, plugs, or pre-vegetated mats. Standard and custom blends available.
SYSTEM DETAILS

VR LITE

EXTENSIVE
THIN LIGHTWEIGHT BUILT-UP SYSTEM

SYSTEM COMPONENTS

A ROOT BARRIER
B PERCOLATION LAYER
WITH FILTER FABRIC OVERLAY
C WATER RETENTION & DRAINAGE PANEL
WITH FILTER FABRIC OVERLAY
D ENGINEERED GROWING MEDIA
E VEGETATION OPTIONS:
SEDUM BLENDS
F EDGING RERAINT
G VEGETATION-FREE ZONE
# SYSTEM CRITICAL DATA SHEET

**TREMCO**

**VR LITE**

**EXTENSIVE THIN LIGHTWEIGHT BUILT-UP SYSTEM**

## ACCESSORIES
- Root Barrier
- Drain Inspection Box
- Edging Restraint
- Irrigation

## SYSTEM

<table>
<thead>
<tr>
<th>VR LITE 2</th>
<th>VR LITE 3</th>
<th>VR LITE 4</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>GROWING MEDIA DEPTH</strong></td>
<td><strong>GROWING MEDIA DEPTH</strong></td>
<td><strong>GROWING MEDIA DEPTH</strong></td>
</tr>
<tr>
<td>2” 50 MM</td>
<td>3” 75 MM</td>
<td>4” 100 MM</td>
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## VEGETATION OPTIONS

<table>
<thead>
<tr>
<th>VR LITE 2</th>
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<tbody>
<tr>
<td><strong>SEDUM BLENDS:</strong></td>
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<td><strong>SEDUM BLENDS:</strong></td>
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<tr>
<td>Standard</td>
<td>Standard</td>
<td>Standard</td>
</tr>
<tr>
<td>Custom</td>
<td>Custom</td>
<td>Custom</td>
</tr>
</tbody>
</table>

## SATURATED WEIGHT

<table>
<thead>
<tr>
<th>VR LITE 2</th>
<th>VR LITE 3</th>
<th>VR LITE 4</th>
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</thead>
<tbody>
<tr>
<td>13.5 - 16.0 LB/SQ. FT.</td>
<td>20.0 - 23.0 LB/SQ. FT.</td>
<td>26.5 - 30.0 LB/SQ. FT.</td>
</tr>
<tr>
<td>65 - 80 KG/SQ. M.</td>
<td>95 - 115 KG/SQ. M.</td>
<td>130 - 150 KG/SQ. M.</td>
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## STORM WATER RETENTION CAPACITY

<table>
<thead>
<tr>
<th>VR LITE 2</th>
<th>VR LITE 3</th>
<th>VR LITE 4</th>
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</thead>
<tbody>
<tr>
<td>0.50 - 0.80 GAL/SQ. FT.</td>
<td>0.80 - 1.10 GAL/SQ. FT.</td>
<td>1.10 - 1.40 GAL/SQ. FT.</td>
</tr>
<tr>
<td>20 - 30 L/SQ. M.</td>
<td>32 - 45 L/SQ. M.</td>
<td>45 - 58 L/SQ. M.</td>
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</tbody>
</table>
### COMPLEMENTARY WATERPROOFING ASSEMBLIES

**TREМproof 6100**  
**HOT RUBBERIZED ASPHALT**

- 215 MIL SELF-HEALING MODIFIED ASPHALT
- COLD-TEMPERATURE APPLICATION FLEXIBILITY
- 40-YEAR TRACK RECORD
- COMPLIES WITH CGSB 37GP 50M SPECIFICATION

**TREМproof PUMA**  
**POLYURETHANE-METHACRYLATE (PUMA) TECHNOLOGY**

- 30-TO-45 MINUTE CURE TIME BETWEEN COATS; ABILITY TO PROCEED TO OVERBURDEN 1 HOUR AFTER APPLICATION
- EXTREME DURABILITY WITH EXCEPTIONAL CRACK-BRIDGING CHARACTERISTICS
- NO REINFORCING FABRIC REQUIRED
- COLD-TEMPERATURE APPLICATION FLEXIBILITY (20°F (-6 ℃) AND RISING)

**TREМproof 250GC**  
**COLD-APPLIED ELASTOMERIC WATERPROOFING MEMBRANE**

- 120 MIL SINGLE-LIFT APPLICATION
- 215 MIL HIGH-BUILD OPTION
- DAMP AND GREEN CONCRETE APPLICATION
- NO REINFORCING FABRIC REQUIRED
- SIGNIFICANT LABOR SAVINGS

**Dual Waterproofing System**  
**TREMPROOF TRA SHEETING EMBEDDED IN TREMproof 250GC**

- 120 MIL DUAL WATERPROOFING SYSTEM
- LONG-TERM DURABILITY
- DAMP AND GREEN CONCRETE APPLICATION

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**Project:**  
MILWAUKEE PUBLIC MUSEUM  
Milwaukee, WI, USA

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