

Deckseal

Transparent HDPE/Bentonite Sheet Membrane Waterproofing System

Product Description

Deckseal is a dual-sheet waterproofing membrane. 170-200 mils thick, composed of transparent, high density polyethylene (HDPE) and expandable, quality granular Bentonite. The Bentonite is laminated at a rate of up to one pound per square foot to an impermeable HDPE sheet forming a superior Dual Waterproofing System for application to horizontal and vertical surfaces. Deckseal's unique, transparent HDPE layer allows for thermal and dimensional stability while the membrane is exposed during installation.

Basic Uses

Deckseal is used to seal horizontal or vertical surfaces against the penetration of water. It is excellent for use whenever the membrane is to be covered by earth or concrete. Unsurpassed for all weather installation to irregular or uncured substrates. Various uses include parking decks, plazas and tunnels.

Packaging

4' x 24' (1.2m x 7.3m) standard rolls.

Also Available by SPECIAL ORDER:

- Larger size rolls may be customized for a nominal cutting charge.

INSTALLATION

For complete details, refer to the appropriate product installation Manual.

Preparatory Work

Examine all surfaces prior to starting application. Dust, frost, moisture and honeycombs (less than 1/4" deep, 6.3mm) may be present. All debris must be removed. Standing water and sharp protrusions over 1/4" (6.3mm) must be removed. Deckseal is compatible with all currently used release agents and may be installed over uncured concrete.

Deck or Plaza

Sweep the complete detail work around penetrations, drains and elevation changes. Install Deckseal membrane with seams shingled starting from lowest points. Wipe seam area with solvent; allow to dry and install Permanent Seam Tape. Compress taped joint area of Deckseal sheets using roller with 10 psi (69Kn/m²) capability. Allow overlap of 3" inches (76mm).

Protection

The Deckseal dual waterproofing system has a PUNCTURE RESISTANCE of 169-lb point load (76.6 kg) and does not require an additional protection course for most applications. For special applications, contact your Tremco Representative for details.

TYPICAL PHYSICAL PROPERTIES

Physical Properties	Value	Test Method
Low Temperature Flexibility	-100°F (-73.3°C)	
Tensile Strength: Membranes (PSI)	4,000 PSI	ASTM-D412
Resistance to microorganisms	Unaffected	
% Elongation-ultimate failure of membrane:	700%	D412
Puncture Resistance:	169 lbs. (76.6kg) 420N	FTMS 101B-2031
Resistance to water migration under membranes:	150 Foot Head (46 meter head)	Footnote #1
Permeance	.031 grain/hr. ft ² in Hg. or 2.7x10 ⁻¹³ cm/sec or 1.7ng/Pa.s.m ²	ASTM E96-92
Installation Temperatures:	15°F to 120°F (-9°C to 49°C)	
Freeze/thaw cycles:	No effect before or after installation	
Life Expectancy:	Both high density polyethylene and bentonite have life expectancy measurable in the thousands-of-years.	

FOOTNOTES FOR TECHNICAL DATA:

1. A 1" (2.5cm) diameter hole was cut in the middle of a 3 1/2" (8.9cm) diameter sample of Deckseal. Sample clamped in 3" (7.6cm) diameter permeameter. 150" (45.6cm) water head applied.

Storage

Protect from moisture. Store on skid or pallet, cover with polyethylene or tarp.

Availability

Immediately available from distributors worldwide.

Limitations

Do not install over ponded water, snow or ice. Deckseal must have a min. 24 psf confinement.

Warranty

Tremco warrants its Paraseal Membranes to be free of defects in any materials, but makes no warranty as to appearance or color. Since methods of application and on site conditions are beyond our control and can affect performance, Tremco makes no other warranty, expressed or implied, including warranties of MERCHANTABILITY and FITNESS FOR A PARTICULAR PURPOSE, with respect to Paraseal Membranes. Tremco's sole obligation shall be, at its option, to replace, or to refund the purchase price of the quantity of Paraseal membrane proved to be defective and Tremco shall not be liable for any loss or damage including incidental or consequential damages arising from the use of Paraseal Membranes.

