

Bridge Deck Waterproofing

PavePrep / GeoTac



**Common bridge deck failure due to water
and salt penetration.**

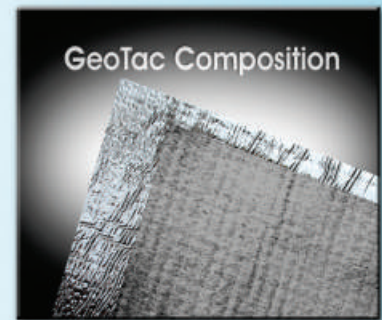
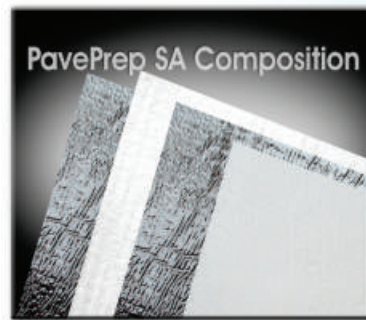
CRAFCOTM
AN **ERGON** COMPANY **INC**

“Pavement Preservation Products”

Crafco Bridge Deck Waterproofing

“United States Congressional leaders say the number of bridges in need of repair is too high and funding too low.”

“If you do not take care of what is needed to **maintain** the condition and performance of an asset, you start creating a backlog of maintenance and capital improvement that needs to be met.”



Crafco PavPrep SA bridge deck waterproofing provides the preventative maintenance that is required to protect the condition and performance of our national bridge assets. Bridges that receive a PavPrep SA application are protected from the elements as well as salt and water penetration that deteriorate the bridge deck infrastructure.

PavPrep SA and **GeoTac** are composed of a “peel and stick” polymer modified asphalt membrane. These products are applied in continuous overlapping strips over the entire deck surface before an overlay to create a waterproof membrane. The membrane will flex with bridge expansion and resist wheel loading pressure. This “total coverage” membrane is needed to prevent any water or salt penetration.

PavPrep SA SPECIFICATIONS

PavPrep SA (Self adhesive) eliminates the need for a tack coat for application in most cases.

Property	Value	Test Method
Cold Flex	No cracking or separation of fabric	ASTM D146(modified)
Tensile Strength (Peak)	2,000 psi minimum	ASTM D412(modified)
Elongation (@ Peak Tensile)	10% minimum	ASTM D412(modified)
Weight	0.8 lb/sf (3.7 kg/m ²) minimum	N/A
Density (mastic)	80 PCF (1.28g/cc)minimum	ASTM D70
Thickness	0.135 inches typical	ASTM D1777
Thickness Retention	75% minimum retained after loading	ASTM D395(modified)
Absorption (mastic)	1 % maximum	ASTM D517
Brittleness	Passes	ASTM D517
Softening point (mastic)	210°F - 230°F (99°C - 110°C)	ASTM D36

GeoTac SPECIFICATIONS

Property	Value	Test Method
Caliper (thickness)	0.080 inches	ASTM D1777
Grab Tensile Strength	50 (Min.) Lbs./in. Min.	ASTM D4632
Puncture Resistance	200 lbs. min.	ASTM E154
Permeance	0.10 (MAX) perms	ASTM E96, Method B
Elongation	50% min.	ASTM D4632
Pliability (2" Mandrel);	No cracks in fabric or	ASTM 146 (modified)

Advantages

- Provides a stress relief layer
- Lowers pavement maintenance costs
- Easy installation
- Minimal traffic disruption
- Reduces further structural deterioration
- Reduces moisture penetration
- Waterproofs

For detailed installation instructions contract your authorized Crafco representative.

For more information on Crafco products contact your local Crafco Distributor or call:



www.crafco.com
800-528-8242

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Your local Crafco Representative: