

Product Description

Wasser Polyflex 311 GL is a geomembrane liner composed of 100% solids polyurea and spun laid or woven geotextile fabrics. This composite is high strength with excellent puncture and tear resistance. The liner is inert to biological attack and resistant to naturally occurring chemicals, alkalis and some acids. Panels are joined in the field to form a seamless, monolithic membrane. The liner can be upgraded with high performance finish coats to meet demanding project requirements. Polyflex 311 GL is an effective system to help comply with Spill Prevention Control and Countermeasure (SPCC) as found in federal regulations (40 CFR Part 112).

Product Features

- Produced in a controlled environment
- Provides seamless flexible membrane
- Fully cured and ready for installation
- Reduced head count on construction sites
- Extended construction season
- Reduced tears, delaminations, wrinkle development and poor seams typically found with conventional liners
- Good chemical resistance
- Low temperature flexibility

Area of Use

Substrates

- Concrete
- Steel
- Prepared Earth

Possible Uses

- Secondary Containment
- Above and Below grade Waterproofing
- Water and Wastewater Treatment
- Oil Drilling, Production & Refining (SSPC regulations)
- "Fracking" Operations, Well Pad Liner

Performance Testing Data

Mechanical Properties	Test Method	Typical Value
Tensile Strength	ASTM D 412-C	*13.79 N/mm ²
Elongation	ASTM D 412-C	*370%
Tear Strength	ASTM D 624-C	*63.9 N/mm ²
Shore A Hardness	ASTM D 2240	*45 Shore D
Mandrel Bend Test	ASTM D522-93a	*Pass @ -49°F
CBR Puncture, Spun Laid	ASTM D-6241	1,127 lbs.
CBR Puncture, Woven	ASTM D-6241	1,890 lbs

* The Typical Values listed above are based upon tests conducted by Wasser or a third party laboratory. The information is subject to change and pertain to the product offered at the time of publication. The above properties are based upon cured film only.

Ordering Information

Product Numbers: WP 311 GL
Package Size: 11'x40' Rolls (440 sq.ft.).
Various widths, lengths and configurations are available.

Application Information

The Geomembrane Liner will be attached as individual panels. The panels will overlap each other by approximately 6 inches. The unsprayed edges will receive a coat of Polyflex 311. Once attached, the entire seam shall receive an additional coat of Polyflex 311 to create a monolithic and seamless membrane.

Plural component, heated pumping equipment will be utilized. In order to obtain the optimum results, the system must be capable of applying at a pressure greater than 2,500 psi at a temperature of 140 - 160°F.

Before application, the receiving surface must be cleaned of dirt, dust, oils, grease and other contaminants. Normal preparation includes vacuum, blow-off, or reactivation using WP-50. This product is normally applied over previously cured surfaces.

Scuff sanding or applying WP-50 Activator is required if recoat window has been reached.

Take care to ensure that proper film thickness is achieved.

Safety Precautions

Precaution:

See the material safety data sheet and product label for complete safety and precaution requirements.

"The following is made in lieu of all warranties, expressed or implied: Manufacturer's obligation shall be to replace such quantity of the product proven to be defective. The manufacturer shall not be liable for any injury, loss or damage, direct or incidental or consequential, arising out of the use of or the inability to use the product. Before using, the user shall determine the suitability of the product for the intended use and the user assumes all risk and liability whatsoever in connection therewith.

All values shown are approximations. Values indicated are for guide purposes only, as actual values can change due to application conditions, application methods, environmental conditions etc.

The information contained herein is subject to change without notice." Contact your Wasser Representative for current Product Data Sheets.