



VersaFlex Incorporated  
 686 S. Adams Street  
 Kansas City, KS 66105  
 913-321-9000  
 913-321-1490 (Fax)

## Product Data Sheet

### **FlexTain™ 60** **Polyurea Sprayed Containment Liner**

**Product Description-** *VersaFlex FlexTain 60* is a pre-sprayed composite panel system comprised of non-woven polypropylene geotextile and a 100% solids pure polyurea membrane system. **FlexTain 60** may be used by itself or in combination with other materials to produce wearing courses and resilient surfaces on a variety of substrates. **FlexTain 60** membrane panel systems are inert; panel components will not hydrolyze, leach, or contaminate other materials, and surfaces are bondable and paintable. **FlexTain 60** panel systems are relatively moisture and temperature insensitive, allowing installation in the most problematic ambient conditions. Standard **FlexTain** panels utilize a 10 oz. geotextile to insure durability and protect against handling damage. The standard 15' X 40', square foot panels weigh approximately 200 pounds and can be conveniently moved and handled by the field crew. The approximate 4" – 6" seaming edge strips provide sufficient overlap to allow quality installation even in the most difficult geometries.

**Uses-** *VersaFlex FlexTain 60* is a superior composite 60 mil liner designed specifically for industrial applications receiving intermittent attack from contained materials. **FlexTain 60** is flexible, accommodating to movement of the substrate, yet strong enough to remain intact under all conditions except major structural dislocations. With or without reinforcements, **FlexTain 60** may be used in transitional areas in interior or exterior applications.

#### **Ideal for Applications in:**

- Secondary Containment
- Industrial facilities
- Unsalvageable concrete substrates
- Below grade waterproofing
- Above grade waterproofing
- Water & Wastewater treatment
- Lift station manholes
- Wet wells
- Penetrations & terminations

#### **Advantages:**

- 100% solids, no VOC's
- Ease of installation
- Tough, Seamless Elastomeric Membrane
- Pre-manufactured robotically in a controlled environment
- Excellent thermal stability
- Minimal downtime
- Arrives to project fully cured and ready for installation
- Remains Flexible in Colder Temperatures
- Good UV stability
- Reduced material waste
- Low permeance rate
- Good resistance to a wide range of chemical attack
- Installation temperature range from -40°F to 350°F
- No heat welded seams necessary

<b>Physical Properties -</b>		
<b>Cured Composite Film</b>	<b>Test Method</b>	<b>Typical Value</b>
Fabric Burst Strength, psi	ASTM D751	4,300 - 4,600
Puncture Resistance, lbs	ASTM D751	95 - 110
Open to Use		1 hour
Tensile strength, psi	ASTM D638	1,000 - 1,200
Elongation at break (%)	ASTM D638	320 - 400
Tear strength, lbf/in	ASTM D624	355 - 385
Shore D hardness	ASTM D2240	35
Tabor abrasion, mg wt loss (1000g, 1000 revs, H-18)	ASTM D4060	180

The value ranges stated in this Technical Data Sheet are based on system processing under laboratory conditions. Equipment configurations and/or field application conditions may produce variances in final system values.

**Limitations- FlexTain** should not be used for direct contact with extremely high or low pH attack. Composite systems available upon request.

**Packaging-** Each panel unrolled is approximately 15' wide x 40' length totaling 600 square feet.

**Colors-** Standard color is Tan. Other colors available upon special request.

**Installation & Preparation-** Panels must be attached to one another individually by spraying VersaFlex VF 380 Polyurea via proper plural component equipment. The unsprayed edges of the panels shall be sprayed with VF 380 with the adjacent panel piece laid on top (overlapped approx. 4"– 6") to form an adhesive bond. Once secured, additional VF 380 shall be applied to the seam to create a monolithic and seamless membrane. Panels must be clean and dry before attaching together.

VersaFlex HM 45 hand mix material may be used to repair small areas resulting from damage, tear, etc.

**Technical Services-** Sales and Customer Support 913-321-9000

#### **VersaFlex Product Manufacturer's Warranty**

During a period of one-year from date of shipping, VersaFlex Incorporated will refund the price of or replace, at its election, product it finds to be defectively manufactured, provided the product has been stored and used properly. Except as expressly stated herein, the company makes no warranty of merchantability and no warranty of fitness for any particular purpose, nor does it make any warranty, expressed or implied, of any nature whatsoever with respect to the product or its use. In no event shall the company be liable for delay caused by defects, for loss of use, for indirect, special or consequential damages, or for any charges or expenses of any nature incurred without its written consent.