BFGoodrich

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Product Bulletin

Flexseal™ reinforced lining material

30HP6 specification

1. **Scope**
This specification describes BFGoodrich Flexseal™ 30HP6, polyester reinforced lining of a nominal 30 mil Hypalon* thickness.

2. **Liner Requirements:**

2.1 Material Description:

2.1.1 The liner shall be a three ply construction. Two of the plies being Flexseal sheeting having Hypalon* as its principle polymer and compounded to meet the requirements of this specification.

2.1.2 The third ply shall be scrim fabric totally encapsulated between the Flexseal sheets with 1/8" to 3/4" of the unsupported sheet extending beyond the fabric.

2.1.3 The liner shall be so produced so as to be free of holes, undispersed raw materials, blisters or any sign of delamination. Any such defect shall be repaired using the elastomer sheeting and the manufacturer's approved adhesive.

2.2 Factory Fabrication of Blankets:

2.2.1 The finished roll goods shall be factory fabricated into panels up to 20,000 sq. ft. in size in order to reduce the amount of field seaming required. All seams shall be heat welded and provide a film tearing bond.

2.3 Field Seaming:

2.3.1 All field seaming will be performed using only the manufacturer's approved adhesives and application directions. The minimum width of field seams shall be 4" seal.

2.3.2 All field seams upon completion shall be visually inspected and any loose or questionable area repaired.

2.4 Physical Properties:
The Flexseal liner shall conform to the requirements outlined below.

3. **Guarantee of Materials:**
The liner purchaser shall be provided with a guarantee in writing from the manufacturer as to weathering. The degree and limitations of the guarantee shall be described within this guarantee.

PROPERTY	TEST METHOD	REQUIREMENTS
Tensile Strength	ASTM D 412	1,000 psi, minimum
Elongation at break	ASTM D 412	250 percent, minimum
Water absorption (7 days at 70 F)	ASTM D 471	5 percent max by weight
Cold bend test	ASTM D 2136 (1/8 inch mandrel)	-30 F, no cracks
Brittleness point	ASTM D 746 (Procedure "B")	– 45°F, no failures
Ozone Resistance 7 days @ 300 pphm @ 104°F with 20 percent strain	ASTM D 1149	No cracks visible under 7 times magnification
*Breaking strength	ASTM D 751	120 lb., minimum
*Tear strength Tongue Tear	ASTM D751	20 lb., minimum
*Puncture resistance	FTMS 101 B (Method 2031)	100 lb., minimum
*Factory and field seam strength	ASTM D 816 (Method B)	Parent material breaks prior to seam separation

*Tests performed on the reinforced sheets. All others on the material in its non-reinforced state.

