



## gss 160

### 1. description

gss 160 is a high performance, fire-rated, 160 mils (4 mm) thick modified bitumen sheet with a sanded top surface. gss 160 is reinforced with a 250 <sup>g/m<sup>2</sup></sup> spun bonded polyester mat coated with premium asphalt modified with both styrene-ethylene-butylene-styrene (SEBS) and styrene-butadienestyrene (SBS) block copolymers. This unique blend of materials yields a membrane with superior low temperature flexibility, elongation, and waterproofing characteristics.

### 2. recommended uses

- a. As a high performance base sheet.
- b. As a top protective weather resistant surfacing ply.
- c. For construction of high performance flashing systems.

### 3. benefits

- a. May be applied either by hot-mopping with asphalt or with cold-applied adhesives.
- b. Weather resistant for long-term protection.
- c. Very good cold weather performance.
- d. Uniform layer of protection provided by quality control during manufacture.
- e. Classified by Underwriters Laboratories, Inc.® as to an external fire exposure only.
- f. Exceeds requirements of ASTM D 6164, Type II (S).
- g. Contains no asbestos.
- h. Meets requirements of Factory Mutual Research Corporation® Standard 4470, Class I (A)-90.

### 4. physical features

property	typical values			test method
	D6164	MD	XD	
<b>load strain properties at 77° F (25° C)</b>				
maximum load (lbs. / in)		132	90	D6164
elongation @ maximum load (%)		63	68	D6164



## 4. physical features (continued)

property	typical values			test method
	D6164	MD	XD	
<b>load strain properties at 0° F (-18° C)</b>				
maximum load (lbs. / in)		166	119	D6164
elongation @ maximum load (%)		35	34	D6164
<b>tear strength at 77°F (25°C)</b>				
tear strength (lbf)		164	121	D6164
<b>dimensional stability</b>				
absolute dimensional change (%)	0.3			D6164
<b>low temperature flexibility</b>				
low temperature cracking does not occur (°F)	-15°			D6164
<b>compound stability</b>				
Temperature at which flow drip/drop formation observed (°F)	250°			D6164
<b>thickness</b>				
average value	160 mils			D6164
<b>net mass per unit area (lbs / 100 sq. ft.)</b>				
average value	118			D228
<b>asbestos content</b>				
average value (%)	0			EPA/600/R-93/116
<b>fire resistance</b>				
average value	Pass, Class A			UL 790/E108
<b>length</b>				
average length	33 ft			Tape Measure