

**Z 15**Uses & Description

Z-FELT 15 is an asphalt saturated organic felt designed for use as an underlayment with asphalt shingles in commercial and residential applications

Meets Florida Approval BFL # 2077

Specifications

<b>ASTM</b>	D 4869-05 TYPE I
<b>TEARING STRENGTH, min @ 77°F + 2° (25°C + 1°)</b>	0.45 lbf
<b>PLIABILITY, tested with 1/2" (13 mm) radius @ 77°F (25°C)</b>	NO FAILURES
<b>MOISTURE, at time of manufacturing</b>	2.0%, max
<b>LOSS ON HEATING, @221°F (105°C) for 5 hours</b>	6%, max
<b>WATER VAPOR TRANSMISSION, permeance</b>	5 (287)
<b>LIQUID WATER TRANSMISSION TEST</b>	PASS
<b>NET MASS OF SATURATED FELT, lbs/100 ft2 (g/m2)</b>	8.0 (390), min
<b>MASS OF SATURANT, lbs/100 ft2 (g/m2)</b>	4 (195), min
<b>MASS OF DESATURATED FELT,</b>	4 (195), min
<b>ASH, desaturated felt mass</b>	10%, max
<b>SATURATION</b>	100%, min

**Z 30**Uses & Description

Z-FELT 30 is an asphalt saturated organic felt designed for use as an underlayment with asphalt shingles in commercial and residential applications

Meets Florida Approval BFL # 15067

Specifications

<b>ASTM</b>	D 4869 TYPE II
<b>TEARING STRENGTH, min @ 77°F + 2° (25°C + 1°)</b>	0.45 lbf
<b>PLIABILITY, tested with 1/2" (13 mm) radius @ 77°F (25°C)</b>	NO FAILURES
<b>MOISTURE, at time of manufacturing</b>	2%, max
<b>LOSS ON HEATING, @221°F (105°C) for 5 hours</b>	6%, max
<b>WATER VAPOR TRANSMISSION, permeance</b>	3 (172)
<b>LIQUID WATER TRANSMISSION TEST</b>	PASS
<b>NET MASS OF SATURATED FELT, lbs/100 ft2 (g/m2)</b>	20.0 (976), min
<b>MASS OF SATURANT, lbs/100 ft2 (g/m2)</b>	10.8 (527), min
<b>MASS OF DESATURATED FELT,</b>	9.0 (439), min
<b>ASH, desaturated felt mass</b>	10%, max
<b>SATURATION</b>	120% min