

XF 110 ROOT BARRIER

DESCRIPTION

The XF 110 Root Barrier comes on an easy to handle, folded roll suitable for all green roof applications that require fire-retardant material with high puncture & tear strength.

Composed of four-layers of reinforced extrusion laminates, the outer two are high quality fire-retardant virgin film with a third of molten polyethylene. These are reinforced with a heavy duty scrim laid in a diagonal pattern spaced 3/8" apart with an additional scrim every 3" across the width enhances puncture & tear strength increasing service life.

PHYSICAL PROPERTIES

Material	Reinforcing scrim on laminated extrusion.
Color	Translucent, cream.
Roll Dimensions	13.3 ft W x 100 ft L (4.05 m x 30.48 m) Area: 1,330 ft ² (123.56 m ²)
Material Thickness	10 mil (0.25 mm)
Material Weight	5.8 oz./yd ² (198 g/m ²)
Tensile Properties	Elongation at Break: 500% Grab Tensile: 75 lbf (334 N) Trapezoid Tear: 44 lbf (196 N) 1" Tensile Strength: 57 lbf/in (100 N/cm)
Resistance Properties	Mullen Burst: 75 psi (517 kPa) Hydrostatic: 74 psi (510 kPa)
Temperature Use	Maximum: 180°F (82°C) Minimum: -70°F (-57°C)
WVTR	0.214 grains/(100 inch ² *day) (0.202 g/(m ² *day))
Perm Rating	0.031 grains/(ft ² ·hr·in Hg) 0.021 g/(24hr·m ² ·mm Hg)
Burning Characteristics	Flame Spread Index: 5 Smoked Developed Value: 55

ADVANTAGES

Passed or Exceeded the following standard test:
1. National Fire Protection Association (NFPA) 701, Test Method 2 (Large Scale)

APPLICATION

Use XF 110 Root Barrier in all green roof systems. To be overlapped 6-inch (152.4 mm)

SHIPPING

Roll: 6 ft L x 6 inch dia. (1.8 m x 15.4 cm dia.)
Weight: 53.87 lb (24.4 kg)
Pallet Maximum: 25 rolls