

# LASTOBOND SHIELD

 TECHNICAL DATA SHEET  
 110419SCAN2E  
 (supersedes 080312CAN1E)

## DESCRIPTION

**LASTOBOND SHIELD** is a SBS modified bitumen self-adhesive membrane, intended to be used as a roofing underlayment. **LASTOBOND SHIELD** has a slip resistant surface composed of a tri-laminate woven polyethylene. This surface allows the use of **LASTOBOND SHIELD** membranes on various slopes.

Install roof covering as soon as possible following the membrane installation.

Application temperatures:

Winter Grade:	-10 to 40°C	(14 to 104°F)
Summer Grade:	10 to 50°C	(50 to 122°F)

Service temperatures:

Winter Grade:	-45 to 90°C	(-49 to 194°F)
Summer Grade:	-45 to 90°C	(-49 to 194°F)

## PROPERTIES

Properties	Standards	LASTOBOND SHIELD
Thickness	-	1.0 mm (40 mil)
Dimension	-	22.9 x 0.91 m (75 ft x 36 in)
Roll weight	-	20 kg (44 lb)
Top face	-	Tri-Laminated Woven Polyethylene
Underface	-	Silicon Release Film
Breaking Strength, MD/XD	ASTM D1970	11.3 / 15.4 kN/m (64 / 88 lb/in)
Elongation at Break, MD/XD	ASTM D1970	52 / 24 %
Tear Resistance	ASTM D1970	375 / 400 N (84 / 90 lb)
Static Puncture	ASTM D5602	400 N (90 lbf)
Adhesion to Plywood, 4.5 °C	ASTM D1970	500 N/m (34.3 lbf/ft)
Adhesion to Plywood, 24 °C	ASTM D1970	1100 N/m (75.4 lbf/ft)
Low Temperature Flexibility	ASTM D1970	Pass at -30 °C (-22 °F)
Water Vapour Permeance	ASTM E96	1.25 ng / Pa•s•m <sup>2</sup> (0.022 perm)
Nail Sealability	ASTM D1970	Pass

(All values are nominal)