

TECHNICAL DELIVERY CONDITIONS

Project: RS-15

Item : Reinforced Aluminium Foil Tape

1. The Reinforced Aluminum foil shall be made of Al foil reinforced with tri-way fibre glass, Kraft and adhesive backed with a polyethylene release liner. Reinforced Aluminum foil shall offer highly effective vapour barrier for glass wool insulation.
2. Reinforced Aluminum foil tape shall meet the following technical requirements.

Facing Composition	Description	Values (English)	Values (Metric)
Foil	Aluminum	0.000276" (Min)	7.0 micron(Min)
Adhesive	Water Base	-	
Kraft		42 lbs / 3000 sq. ft	70 g/sq.m
Reinforcing	Tri-Way Fiberglass	2.0/inch (MD) 3.0/inch (XD)	8/100 mm (MD) 12/100 mm (XD)
Hot melt adhesive	Thermoplastic	15.6 lbs/3000 sq.ft	26 g/sq.m
Physical Properties	Test Method	Values (English)	Values (Metric)
Basis Weight	Scale	25.5 lbs/1000 sq.ft	125 g/sq.m
Permeance (WVTR)	ASTM E-96 Procedure-A	0.02 perm	1.15 ng / N.s
Bursting Strength	ASTM D-774	50 psi	3.2 kg/sq.cm
Puncture Resistance	ASTM C- 1136	23 beach units	0.7 joules
Tensile Strength	ASTM C1136	44 lbs/inch (MD) 13 lbs/inch (XD)	7.6 kn/m (MD) 2.4 kn/m (XD)
Caliper / Thickness	Micrometer	0.0075 inch	200 micron
Surface Burning Characteristics	Test Method	Values	
Flame spread index	ASTM E84	Class- A	
Smoke developed index	ASTM E84	Class- A	

3. Test reports from NABL accredited labs for the above technical requirements shall be submitted
4. Sample approval shall be obtained before bulk supplies.
5. The supplier shall submit compliance for the above points along with the technical offer.