ISOFLECT
SISTEME PERFORMANTE PENTRU IZOLATII TERMICE

TECHNICAL SHEET

CE
13

ISOFLECT MULTISTRAT

Information section:

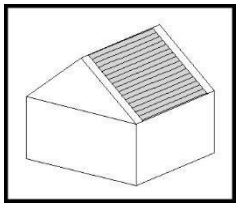
Length(m)	10 (+/- 2%)
Width(m)	1,2 (+/- 2%)
Total thickness(mm)	6 (+/- 1)
Face 1	Pure aluminium foil
Face 2	Expanded polyethylene
Obligatory orientation face 1/2	From
Total density	160 gr/mp
Reflectivity	95 - 97%

Normative part:

PROPERTIES	METHOD	UNITS	NOMINAL VALUE	TOLERANCE	
				MINIMUM	MAXIMUM
Reaction to fire	SR EN 13501-1 + A1:2010	[class]	E	-	-
Temperature range of use	-	[°C]	- 40 .... + 80	-	-
Water vapour transmission rate at 38°C and 90% relative humidity	DIN 53122	[Gr./m2 in 24 hours]	0,05	-	-
Waterproofing	EN 1928	[]	No colour change on filter paper	-	-
Water vapour diffusion - gravimetric method	EN ISO 12572	[m]	> 0,74	-	-
Tensile strength - longitudinal direction	EN 12311 - 1	[N/50mm]	> 63	-	-
Tensile strength - transverse direction	EN 12311-1	[N/50mm]	> 50	-	-
Elongation - longitudinal direction **Maximum longitudinal force**	EN12311-1	[%] [N]	> 55 > 50	-	-
Elongation - transverse direction **Maximum transverse force**	EN12311-1	[%] [N]	> 55 > 50	-	-
Flexibility at low temperatures	EN 1109	[]	No cracks on the lower and upper surface of the samples	-	-
Dimensional changes - longitudinal direction	EN 1107-2	[%]	-0.7	-	-
Dimensional changes - transverse direction	EN 1107-2	[%]	-0.2	-	-

Additional part:

PRODUCT APPLICATION



Isoflect Insulation has developed and adapted specific thermo-reflective materials, optimized and adapted to almost every application in the field of thermal insulation in buildings, so as to contribute significantly to energy savings, reducing pollution, reducing the thermal impact on the environment, increasing sustainability, increasing the degree of comfort and climate quality inside buildings.

Applications of Isoflect Insulation thermal insulation membranes:

1. Under the roof, between the slats: Isoflect Silver or Isoflect Bronze (oriented with the aluminium foil upwards).

2. Over the asteria (thermo-reflective membrane with diffusion function): Isoflect Contact Pro.

3. Bridges: Isoflect Silver.

4. Concrete ceilings, stud walls, installation Phase 1: Isoflect Prime Max (2 to 6 layers).

5. Between the metal profile structure and the plasterboard, Phase 2 of assembly: Isoflect Prime Max (one layer).

6. Attic, Phase 1 of assembly: Isoflect Gold or Isoflect Prime Max (2 to 6 layers).

7. Heated floors: Isoflect Floor Pro, oriented with aluminium foil towards the concrete slab. It is installed on walls in a double layer and replaces the classic perimeter strip.