ISOFLECT
SISTEME PERFORMANTE PENTRU IZOLATII TERMICE

TECHNICAL SHEET

CE
13

ISOFLECT GOLD

Information section:

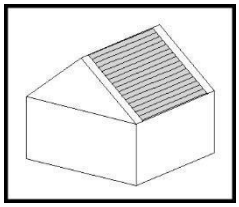
Length(m)	16.6 (+/- 6%)/ 10 (+/- 3%)
Width(m)	1,2 / 1,2
Total thickness(mm)	10 (+/- 1)
Density bubble wrap	110 gr/ m2 x 2
Face 1	Pure aluminium foil
Face 2	Pure aluminium foil
Obligatory orientation face 1/2	nu
Total density	460 gr/m2
Reflectivity	95 - 97%

Normative part:

PROPERTIES	METHOD	UNITS	NOMINAL VALUE	TOLERANCE	
				MINIMUM	MAXIMUM
Reaction to fire	EN 13859-1:2014	[class]	E	-	-
Resistance to water penetration **- Before artificial ageing** **- After artificial ageing**	EN 13859-1:2014	[class]	W1 W1	-	-
Tensile strength in longitudinal direction	EN 13859-1:2014	[N/50mm]	225N/50 mm	-	-
Tensile strength in transverse direction	EN 13859-1:2014	[N/50mm]	159N/50 mm	-	-
Elongation in longitudinal direction	EN 13859-1:2014	[%]	78%	-	-
Elongation in transverse direction	EN 13859-1:2014	[%]	43%	-	-
Tear strength **- In longitudinal direction** **- In transverse direction**	EN 13859-1:2014	[N]	151N 181N	-	-
Flexibility at low temperatures (- 40°c)	EN 13859-1:2014	[]	No cracks on the superior and lower samples	-	-
Water vapour diffusion **- Gravimetric method**	EN 13859-1:2014	[m]	0.75 m	-	-
Dimensional changes: **- Longitudinal direction** **- Transverse direction**	EN 13859-1:2014	[%]	- 0.7 % - 0.2 %	-	-

Additional part:

PRODUCT APPLICATION



EN 13859-1:2014Isoflect **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, reduce pollution, reduce the thermal impact on the environment, increase sustainability, increase comfort and climate quality inside buildings.**

Isoflect Insulation membranes are used with major impact on energy efficiency in the following applications:

- **Under the cover**
- **Bridges**
- **Attics and roofs**
- **Interior of walls with cladding**
- **Floors**
- **Pipes and fittings**
- **Other technical applications.**