

CT-ARENA FOIL thermo

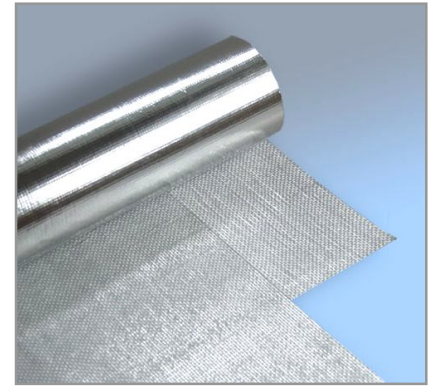
FLAME RETARDANT, TEAR RESISTANT FACING FOR LAMINATION

FEATURES:

- ♦ High tear resistance and tensile strength
- ♦ High puncture resistance
- ♦ Coated with heat activated adhesive for lamination
- ♦ Flame retardant

APPLICATION:

- ♦ Heavy duty heat laminated insulation facing, radiant and vapour barrier for industrial, commercial and sport facilities.
- ♦ Also used as duct board and glass wool facing.



Facing Composition	Description	Values (English)	Values (Metric)
Foil	Aluminum	0.72 mil	18 micron
Adhesive	Flame Retardant	0.4 mil	10 micron
Fabric	Fiberglass 8 x 8 thread/cm	58 lbs / 3000 ft ²	95 g/ m ²
Heat-Activated Coating	Polyethylene	1 Mil	25 micron
Physical Properties	Test Method	Values (English)	Values (Metric)
Basis Weight	Scale	32.6 lbs / 1000 ft ²	160 g/ m ²
Permeance (WVTR)	ASTM E96, Procedure A	0.02 perm	1.15 ng/N.s
Tensile Strength - MD	ASTM D828	59 lbs/in	10.4 kN/m
Tensile Strength - XD	ASTM D828	41 lbs/in	7.2 kN/m
Thickness	Micrometer	7.0 mil	180 micron
Bursting Strength	ASTM D774	181 psi	12.7 kg/cm ²
Low Temperature Resistance	ASTM D1790 4 hrs @ -40 °F (- 40 °C)	Remains Flexible No Delamination	Remains Flexible No Delamination
High Temperature Resistance	ASTM D1790 4 hrs @ +240 °F (+116 °C)	Remains Flexible No Delamination	Remains Flexible No Delamination
Dimensional Stability	ASTM D1204 @ 150F (65C)	Less than 0.5%	Less than 0.5%
Emissivity	ASTM E408	0.03	0.03
Fire Rating	BS 476 Pt. 6 & 7	Class 1	Class 1
Available Roll Width		Values (English)	Values (Metric)
CT-FFCR-18 thermo (CT-ARENA FOIL thermo)		39.4", 47.2"	1.0m, 1.2m

- * Technical details are different for perforated version
- The data above are typical results from tests conducted on samples taken from production runs of tape and may be updated without notice. Typical values are not intended to be used for specification development.
- The product should be stored in the original packaging material at 20 +/- 5°C and 40-60% relative humidity and protected from direct sunlight, heat and moisture.
- The user is ultimately responsible for determining whether the product is fit for a particular surface and suitable for user's application. No claims will be accepted after product is installed. The user should make necessary tests and trial-application of the product to confirm suitability for user's special purpose and method of application.
- Calem Technology warranty that the product is free from defects in material and workmanship at the time Calem Technology ships the product. General Terms and Warranty published on the website are also applied to all products. CALEM TECHNOLOGY MAKES NO OTHER WARRANTIES OR CONDITIONS EXPRESSED OR IMPLIED INCLUDING, BUT NOT LIMITED TO FITNESS FOR PARTICULAR PURPOSE, MERCHANTABILITY, ANY IMPLIED WARRANTY ARISING OUT OF CUSTOM OF USAGE OF TRADE AND/OR COURSE OF DEALING. If the product does not conform to this warranty Calem Technology shall, upon notification thereof and substantiation that the product have been stored and applied in accordance with the above requirements, at Calem Technology discretion, replace or credit the product's purchasing price equivalent.
- Limitation of liability. Since the project specifics, use and application conditions are entirely beyond Calem Technology control, Calem Technology, or reseller(s) of any CT Tape, CT Foil, CT Glass or CT Plast products do not guarantee results from use of any products or other information and expressly deny liability from any possible damage or loss resulting from the use or application of the products. Calem Technology Inc. and seller of the products will not be liable for any loss or damage arising from product, whether direct, indirect, special, incidental or consequential, regardless of the legal theory asserted, including warranty, contract, Sales of goods Act, negligence or strict liability



1-604-277-6643
186-8120 No. 2 Road
Richmond, BC
V7E 3E6, Canada