

CT-ARENA FOIL

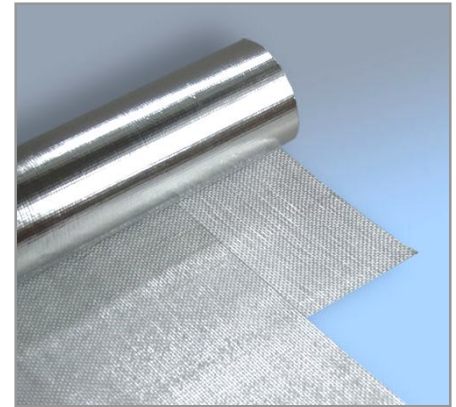
FLAME RETARDANT, TEAR RESISTANT REFLECTIVE INSULATION AND FACING

FEATURES:

- ◆ High tear resistance and tensile strength
- ◆ High puncture resistance
- ◆ Flame retardant

APPLICATION:

- ◆ Heavy duty radiant and vapour barrier for industrial, commercial and sport facilities, engine rooms.
- ◆ Also used as ductboard and glass wool facing and for duct wrapping.



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
Physical Properties	Test Method	Values (English)	Values (Metric)
Basis Weight	Scale	30.6 lbs / 1000 ft ²	150 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	5.9 mil	150 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	UL 723 /ASTM E84; BS 476 Pt. 6 & 7	25/50; Class 0	25/50; Class 0
Available Roll Width		Values (English)	Values (Metric)
CT-FFCR-18 (CT-ARENA FOIL)		39.4", 47.2"	1.0m, 1.2m

- 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 responsible for determining whether the product is fit for a particular surface and suitable for user's application. 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. Should any failure to conform to this warranty appear within one year after the initial date of shipment, 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. Calem Technology Inc. and seller of CT Tape products will not be liable for any loss or damage arising from the CT Tape product, whether direct, indirect, special, incidental or consequential, regardless of the legal theory asserted, including warranty, contract, negligence or strict liability.



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