

# CT-ARENA FOIL

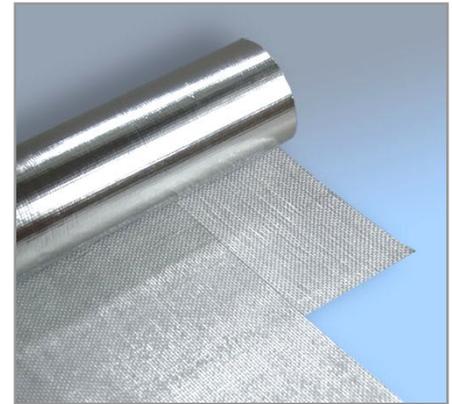
## FLAME RETARDANT, TEAR RESISTANT REFLECTIVE INSULATION AND FACING

### 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 <sup>2</sup>       | 95 g/ m <sup>2</sup>                |
| Physical Properties         | Test Method                             | Values (English)                    | Values (Metric)                     |
| Basis Weight                | Scale                                   | 30.6 lbs / 1000 ft <sup>2</sup>     | 150 g/ m <sup>2</sup>               |
| 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 <sup>2</sup>             |
| Low Temperature Resistance  | ASTM D1790<br>4 hrs @ -40 °F (- 40 °C)  | Remains Flexible<br>No Delamination | Remains Flexible<br>No Delamination |
| High Temperature Resistance | ASTM D1790<br>4 hrs @ +240 °F (+116 °C) | Remains Flexible<br>No Delamination | Remains Flexible<br>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.



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