

## Hot Temperature Insulations CL-1-1

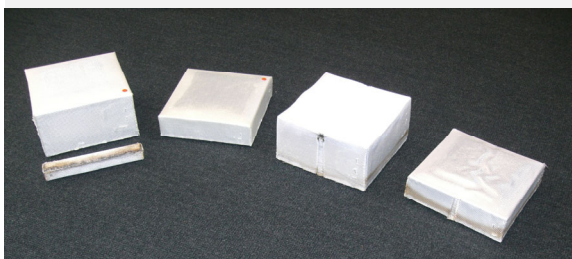
The High Performance Hot Temperature Insulation CL-1-1 by HPtTex is used where regular (Kapton) MLI is not any more suitable  $>400^{\circ}\text{C}$ . It can be used as additional protection layer for MLI or as separate insulation blanket.

A second application is the use of the CL-1-1 as ATOX protection for missions in the low earth orbit.



### HPtTex CL-1-1 Key Characteristics:

- Mass per area  **$<700\text{g}/\text{m}^2$**
- Thickness  **$<1\text{ mm}$**
- Material **glass cloth**
- Temperature Range **up to  $1000^{\circ}\text{C}$**
- Mesh width up to **1.5m** (for wider size, pls. contact us)
- Cleanliness class **ISO 8** (for better classes, pls. contact us)
- Emittance  **$> 0.8$**
- Absorptance  **$< 0.2$**
- Outgassing **TML  $<1\%$  , CCV  $<0.1\%$**



Our name is our program:  
HPtTex – High Performance Textiles, ready to  
play a decisive role in space technologies.

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