

HPC® COATING

Certifications:

1. ASTM (American Society for Testing and Materials)



C177 Thermal Conductivity

E84 Standard Test Method For Surface Burning passed
Characteristics Of Building Materials - Class "A" Flame Spread Index

E119 7 hour Fire endurance testing on I beam with Hot Pipe 7 hour Coating at 2,243 mils Dry Film Thickness and Omega Fire at rating 1,122 mils Dry Film Thickness total of 3,365 Dry mils

E119 2 hour Fire endurance testing on I beam with Hot Pipe 2 hour Coating at 750 mils Dry Film Thickness and Omega Fire at rating 500 mils Dry Film Thickness total of 1,250 Dry mils

E119 3 hour Fire endurance testing on a 14" X 14" 14 Gauge 3 hour Steel Panel combination with Hot Pipe Coating at 320 mils rating Dry Film Thickness and Omega Fire at 263 mils Dry Film Thickness

2. ISO 8302 Thermal Resistance Test

The rate of heat flow through a material per unit thickness per degree of temperature difference across the thickness.

3. Heat Flux Losses on Crude Oil Horizontal Tank

Heat Losses and energy savings as function of the HPC insulation thickness.

4. TEMPERATURE REDUCTION CHART - VTEC LABORATORIES



5. [OSHA](#)

AMBIENT TEMPERATURE THICKNESS
CHART [8C/46F](#), [21C/69F](#), [34C/93F](#).

6. Snip-03-2003 41 Thermal Insulation of Equipment and Pipelines: thermal resistance of wall heat transfer.

[Heat Exchanger Test Results in RUSSIAN THEN ENGLISH](#)

7. SMOKE \ TOXICITY AND SURFACE FLAMMABILITY - [ABS COAST GUARD APPROVAL](#)



8. [HPC FLAME SPREAD DEMONSTRATION](#)

9. [Aramco Oil Tanks in Saudi Arabia Certification](#)

Approved
Product

[Approved Material System for APCS-5B Specification](#)

10. [LEED](#) - Leadership in Energy & Environmental Design

Approved
Product



May 1, 2007 (revised May 21, 2007) (Washington, DC) – The U.S. Green Building Council (**USGBC**) has announced that projects seeking certification under the LEED® Green Building Rating System™ can now earn an "Innovation in

Design" point by using the Cradle to Cradle program for certified building products.



GOLD CERTIFICATION

11. **USDA** (United States Department of Agriculture)

Approved
Product

