

Preliminary Facade Material

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Btech 3

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SP 2020

Opaque Material - TerraCORE-HCT – Honeycomb Reinforced Stone Panel



Details

<https://www.youtube.com/watch?v=2cDockimYgY>

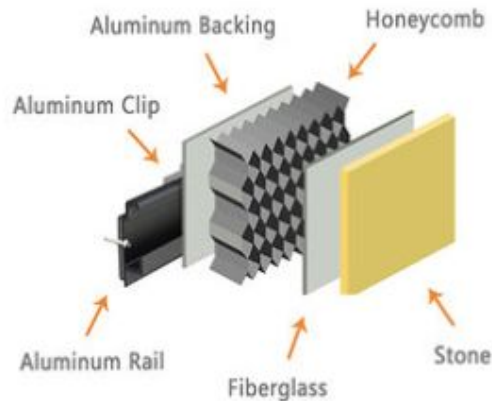


Figure 4 – Typical TerraCORE Panel Assembly

B. Performance Requirements:

1. Air infiltration: Maximum 0.01 CFM per square foot, tested to ASTM E 283 at pressure differential across assembly of 6.24 PSF.
2. Water resistance: No leakage, tested to ASTM E 331 at 12.0 PSF.
3. Uniform load deflection:
 - a. Two panel specimen: No damage, tested to ASTM E 330 at 65 PSF positive and negative.
 - b. Single panel specimen: No damage, tested to ASTM E 330 at 260 PSF positive and negative.
4. Uniform load structural:
 - a. Two panel specimen: No damage and maximum 0.07 inch permanent set, tested to ASTM E 330 at 97.5 PSF positive and negative.
 - b. Single panel specimen: No damage and maximum 0.150 inch permanent set, tested to ASTM E 330 at 390 PSF positive and negative.
5. Impact resistance: No penetration, tested to ASTM E 1996 at 50 FPS.

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6. Freeze/thaw resistance: No delamination, cracking, chipping, or visible distortion; tested to GB/T 9966.1 at 25 cycles.
7. Adhesive bond: Average bond strength of 284 PSI, tested to ASTM D 897.
8. Tensile bond strength for adhesive: Average of 358 PSI, tested to ASTM D 897 after 25 thermocycles.
9. Shear load strength for riveted brackets: Average of 172 PSI, tested to ASTM D 1761.
10. Fire hazard classification: Maximum flame spread/smoke developed rating of 10/155, tested to ASTM E 84.

Glass Cable Wall: Pilkington Planar



Parametric Technology
Corporation, Needham, MA

Square Feet: 168,432

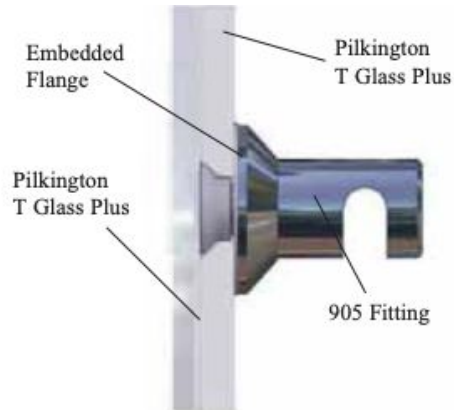
Year Built: 2000

Developed by Boston
Properties



Opaque Material- Pilkington Planar Detail

<https://www.youtube.com/watch?v=KnGRXsQ-CEU>



Detail of Pilkington **Planar™** Integral

Typical Glass Mullion Section/Details

