

TECHNICAL BULLETIN #178

ADHESION and PERFORMANCE of GENYK 'Boreal Elite' to — plumbing components.

Adhesion of Genyk 'Boreal Elite' to Plumbing Components

Genyk 'Boreal Elite' is a CAN/ULC S705.1 certified spray foam product. As such, Genyk 'Boreal Elite' is a thermoset plastic. As part of the CAN/ULC S705.1 Material Standard, the adhesion to ABS and PVC has been deemed satisfactory. Further, the adhesion to copper also exceeds the adhesion thresholds of 16psi (110kPa).

Limitations –

Normal substrate preparation guidelines as outlined in the CAN/ULC S705.2 Application Standard are applicable. When installing Genyk 'Boreal Elite' to any substrate, the surface of the product must be free of moisture, oil and scale.

Performance of Genyk 'Boreal Elite' in Conjunction with Plumbing Components

The adhesion of the Genyk 'Boreal Elite' to plumbing components has been tested and established. However, there are some application guidelines that must be adhered to when installing 'Boreal Elite' to plumbing components installed on exterior walls. Because of the significant thermal performance of 'Boreal Elite', there should never be more than a 40/60 split of material thickness between the amount of material around the plumbing components installed within the wall gradient. That is, not more than 60% of the material can be installed between the warm side of the gradient and the rear side of the plumbing component. 40% of the 'Boreal Elite' must be installed between the outer wythe of the wall assembly and the rear side (from warm side) of the plumbing component.

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