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TECHNICAL BULLETIN #141

RE: Flexural Characteristics of Genyk 'Boreal Elite'

Flexural Strength is also known as modulus of rupture, bend strength or fracture strength. Simply, the flexural strength of sprayed polyurethane foam (SPF) is the material's ability to resist deformation under load. Flexural strength represents the highest stress experienced within the material at its moment of rupture.

Genyk 'Boreal Elite' is a cellular plastic matrix comprised of gas. The structure is 95% gas and 5% solid plastic. As such, the co-efficient of linear expansion always exceeds that of the solid materials that spray foam is typically adhered (wood, concrete, steel). There is no know solid material substrate that can expand/contract at rates greater than those of Genyk 'Boreal Elite'. Thus, there is no risk of rupture due to the expansion/contraction of substrate materials or service temperatures.

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