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Technical Bulletin #156

Subject: Physical Performance of Shaved Foam

The physical performance of Genyk Boreal Nature Elite closed cell polyurethane foam is not adversely affected by the trimming process.

In accordance with the CAN/ULC S705.1 Material Standard, the vapour permeance of Genyk Boreal Nature Elite is measured using the ASTM E96 method. This test method uses a 'core' sample, and as such, does not include the skins of the material. Thus, the product is tested in a state that is equivalent to a shaved condition.

Genyk Boreal Nature Elite has a vapour permeance performance rating of $34\text{ng}/(\text{Pa}\cdot\text{s}\cdot\text{m}^2)$. The product exceeds the requirements of the OBC – $60\text{ng}/(\text{Pa}\cdot\text{s}\cdot\text{m}^2)$ as stated in OBC 9.25.4.2.(1).

Similarly, the air permeance of Genyk Boreal Nature Elite is measured using the CCMC 07273 methodology. Again, the test sample is cored, and thus, is representative of an in-situ shaved condition.

Genyk Boreal Nature Elite has an air permeance performance rating of $0.001\text{ L}/(\text{s}\cdot\text{m}^2)$. The product exceeds the requirements of the OBC – $0.02\text{ L}/\text{s}\cdot\text{m}^2$ as stated in OBC 9.25.3.2.(1).



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