



WATER VAPOUR PERMEANCE OF GENYK 'Boreal' (CCMC # 14025-L)

The generally accepted definition of permeance is the degree to which a material admits a flow of matter (or energy). Thus, water vapour permeance is the amount of moisture that can pass through a material.

The international system of units (SI) is measured in nanograms per second per square meter per pascal.

SI measure = $\text{ng}/(\text{Pa}\cdot\text{s}\cdot\text{m}^2)$

Section 9.25.4.2 (1) of the National Building Code states:

Vapour barriers shall have a permeance not greater than $60\text{ng}/(\text{Pa}\cdot\text{s}\cdot\text{m}^2)$, measured in accordance with ASTM E96, "Water Vapor Transmission of Materials", using the desiccant method (dry cup).

As part of the CCMC evaluation process, the GENYK 'Boreal' material was tested to the ASTM E96 protocol. The ASTM E96 test results demonstrate that—

GENYK 'Boreal' has a vapour water permeance of $45\text{ng}/(\text{Pa}\cdot\text{s}\cdot\text{m}^2)$.

GENYK 'Boreal' conforms to the requirements of the National Building Code, Section 9.25.4.2 (1). No additional vapour barrier is needed to control condensation.

Inquiries regarding the application of GENYK 'Boreal' should be directed to:

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