

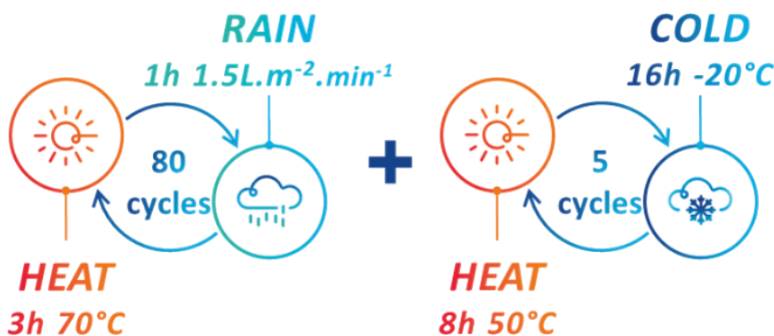
# Statement on the Durability Performance of Directly Exposed Glasroc® X Boards

## Based on CSTB Supervised Accelerated Hygrothermal Ageing Tests (Report n°EEM 25 45804)

As part of our commitment to providing durable and reliable building solutions, Saint-Gobain commissioned the Centre Scientifique et Technique du Bâtiment (CSTB) to oversee an extensive accelerated ageing assessment of Glasroc® X boards. This independent supervision was conducted to substantiate the robustness of directly exposed Glasroc® X under severe climatic conditions.

Under CSTB's oversight, Glasroc® X boards were subjected to a rigorous sequence of hygrothermal cycles designed to replicate extreme outdoor exposure: In particular, Glasroc® X boards were subjected to repeated cycles of high temperatures and water sprays (80 "hot-rain" cycles, during 20 days), followed by cycles alternating between elevated and sub-zero temperatures (5 "hot-cold" cycles, during 5 days), as described in EAD 090120-00-0404 (July 2018) / Annex L.

Upon completion of the ageing stages, CSTB supervised the characterization of the boards using standardized methods. The assessed properties are summarized in the table below.



STANDARD	TEST
EN 15283-1	Flexural strength
EN 520	Density, surface density
DT 081-1	Surface hardness
	Total water absorption
EN 520	Surface water absorption (face and back)
DT 081-1	
EN 13963	Liner / Core adhesion
	Render / Board adhesion
EN 1383	Screw pull-through resistance

**No degradation of Glasroc® X** was detected after exposure to the full ageing protocol. All evaluated physical and mechanical properties remained stable, without any loss of performance in flexural strength, water absorption behavior, density, surface hardness, adhesion, or screw resistance.

These results demonstrate the inherent robustness of Glasroc® X when subjected to severe climatic stress within a controlled laboratory environment.

Based on CSTB supervised testing and the consistency of the results obtained, **Saint-Gobain asserts that Glasroc® X boards maintain their performance after conditions equivalent to prolonged outdoor exposure**, supporting our proof of evidence of **12 months exposure resistance** under typical construction site conditions.