

Outstanding Performance. Here's the proof.

SYSTEM BOREAL™ all-PVC windows are federally rated and always come out on top. In some cases, they literally defy classification because they resist even maximum strength!

Certain SYSTEM BOREAL™ windows have successfully met special regional standards, like those set by Dade County, Florida for hurricane resistance—winds up to 220 mph (355 kph) and the impact of wind-borne objects.

What you need to know about standards

Standards were created to provide a benchmark against which different windows could be compared under the same conditions. Although American and Canadian standards vary slightly, they assess performance in essentially the same areas. Test weather conditions are much more severe than those that occur naturally. However, actual window performance may differ from lab test results due to the quality of installation.

The results below are from national tests under the following standards:

AAMA NWDA 101 LS2-97

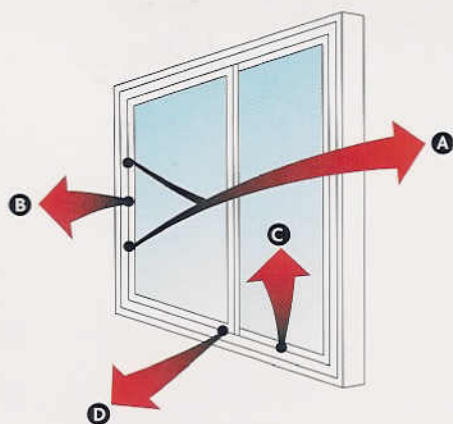
CAN/CSA A-440-M90

CAN/CGSB 82.1-M89

SYSTEM BOREAL™ windows meet the requirements of the following organizations: AAMA, NFRC, ENERGY STAR, CSA, CCMC



CCMC



Forced Entry

This test reproduces the efforts of a well-equipped individual attempting to force entry. The test has three phases. Testers begin by trying to force open the window using tools like a knife blade, screwdriver and wire. They then attach a cable to strategic points on the window and apply increasing loads. If the window continues to resist, they use tools again in a third attempt.

Windows rated F1 have a locking system, but have not been tested for forced entry.

Windows rated F2 have successfully passed the test at level 10. SYSTEM BOREAL™ windows are rated F2, level 40.

LOAD	ORIENTATION
A	Parallel to the window from the handle
B	Perpendicular to window from the handle, first by pulling, then by pushing
C	Parallel to the window at center of the sash, from bottom upward
D	Perpendicular to the window where sashes meet, toward the interior

RATING	LEVEL	WINDOW TYPE
F1	Test not required	
	Level indicates the initial load applied to the cables:	
F2	Level 10 = 150lb.	Mid-range
	Level 20 = 200lb.	Mid-range
	Level 30 = 250lb.	High end
	Level 40 = 300lb.	SYSTEM BOREAL™