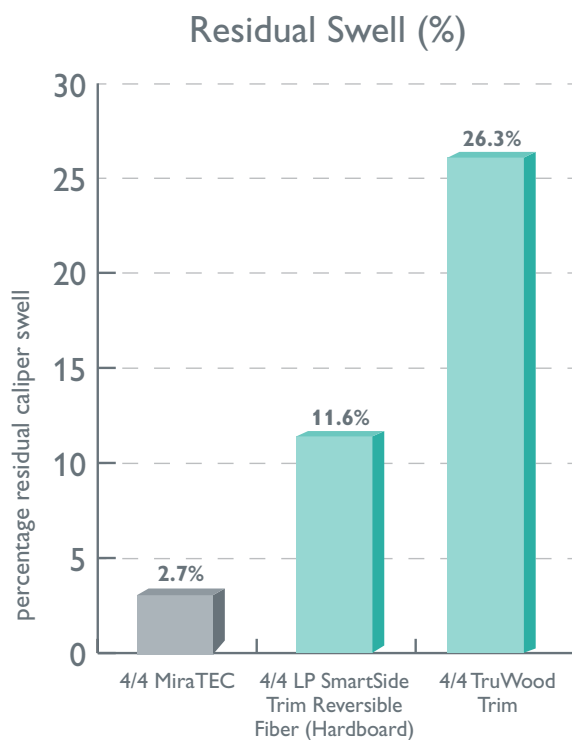


MiraTEC Trim Performs 9x Better than Hardboard Trim in Long Term Weatherability Testing

- MiraTEC performed 4.29 times better than LP SmartSide Trim (Reversible Fiber, which is a hardboard product).
- MiraTEC performed 9.4 times better than Collins Pine TruWood Trim.



Test Objective	The Weatherability Test, a known standard in wood and composite product testing, evaluates a product's ability to withstand climate change. It is performed in accordance with ANSI A 135.6 (2006). It is meant to show a product's response to real-world weather conditions that assess durability in hot summers, cold winters and rainfall.
Test Protocol	All trim samples used in the test were subject to six (6) cycles of exposure to: soak, steam, freeze, dry, steam again and dry again. All samples tested were nominal 4/4 thickness. The MiraTEC 4/4 product measures a full 3/4." The LP SmartSide 400 Series Trim (reversible fiber, which is a hardboard product) is a scant product, meaning it measures 5/8" instead of the standard.
Test Measurement	Results are calculated by the residual, or remaining, thickness swell of the trim. A trimboard exhibits thickness swelling when exposure to exterior conditions breaks down the resin bonds within the trim, leading to water absorption. The thickness of the sample is calculated at the beginning and at the end of the test.
Test Agency	Test performed by FPIInnovations (formerly Forintek). Email miratec-testdetails@jeld-wen.com .

MiraTEC Trim Outperforms Hardboard Trim

MiraTEC trim earned ESR-3043 and performs to a standard that hardboard products can't – MiraTEC is not hardboard trim.

	Treated Wood Composite Trim	Hardboard Trim
Brands	MiraTEC [®]	LP SmartSide Trim Reversible Fiber (Hardboard), Collins Pine TruWood Trim
Manufacturing Process	TEC [™] patented and proprietary manufacturing process was created specifically to make trim. TEC manufacturing process creates an engineered wood product with uniform density. MiraTEC is one solid piece – will not delaminate. Made in a sealed press with steam injected for added durability.	Hardboard manufacturing process was created to manufacture exterior siding. Hardboard manufacturing process may create a product with variable density. Hardboard trim may be manufactured by laminating thinner panels together to create trim thicknesses – may delaminate over time. Made in an open press between heated platens.
Durability	Easy to handle, machine, cut and nail. Won't check, split or crack. Treated with zinc borate for superior termite resistance. Made with phenolic resins for excellent moisture resistance. More authentic wood grain texture.	Easy to handle, machine, cut and nail. May delaminate. LP SmartSide Trim Reversible Fiber (Hardboard) and Collins Pine TruWood Trim are laminated in all thicknesses. Less authentic wood grain texture.
Building Code Approved/Listed	MiraTEC trim earned an evaluation report (ESR-3043) from ICC-ES. MiraTEC meets the strict requirements of ICC-ES Acceptance Criteria (AC424). Hardboard trim cannot meet those requirements. This new evidence supports the claim that MiraTEC is a worry-free product with incredible durability and a strong 50-year warranty.	Hardboard trim does not have a building code listing. Hardboard trim cannot perform to the standards in ESR-3043.
Green	MiraTEC trim has no added urea formaldehyde. This is certified by Scientific Certification Systems under certificate number SCS-MC-01802. Made from sustainable materials. No old growth wood is used in the manufacture of MiraTEC trim. Complies with CARB. MiraTEC trim is factory-primed on four sides with a low VOC primer containing a mildewcide. Contributes to industry green building programs such as LEED.	Varies by brand.
Warranty	Backed by an industry-best 50-year warranty. Protects against hail damage, rot, termite damage and edge swell.	Warranty coverage varies from 10 to 50 years by brand. LP SmartSide Trim Reversible Fiber (Hardboard) warranty excludes hail damage, termite damage and swelling and/or edge checking.

