

MiraTEC Trim Offers Revolutionary Performance from Patented Technology



With MiraTEC® trim, you have nothing to fear from moisture. Or rot. Or termites. That's because MiraTEC trim is uniquely designed to combine the beauty and workability of wood with the long-term performance and durability of engineered trim.

READY TO WORK

MiraTEC trim looks just like wood and performs even better. Its uniform density makes it easy to machine, cut and nail without chipping or splitting. It's free of voids and knots, so there's no waste. It's factory-primed and ready to paint. Best of all, MiraTEC trim is versatile, giving you the option of working with one of two reversible sides: clear cedar wood grain texture or smooth finish.

PATENTED TECHNOLOGY

MiraTEC trim's patented TEC™ manufacturing process treats natural wood fibers with zinc borate and binds them with phenolic resins. The result is a next-generation wood composite trim so resistant to moisture, rot and termites, it's backed by an industry-best 50-year limited warranty.



WHY RESIST?

Alternatives like PVC and fiber cement trim can't match MiraTEC trim's all around performance and versatility, and they cost up to twice as much. Plus, MiraTEC trim contains no added urea formaldehyde, is made from sustainable materials and contributes to industry green programs. That's what makes MiraTEC trim the natural choice for everything from porch and window trim to columns and gables.

MIRATEC®

Treated Exterior Composite TRIM

miratectrim.com



Treated Exterior Composite TRIM

miratectrim.com



2" MiraTEC batten, perfect for board and batten applications

Revolutionary Performance from Patented Technology

Manufacturing process bonds natural wood fibers with phenolic resins and zinc borate.

- Resists moisture, rot and termites.
- Building Code Listed (ESR-3043).
- Reversible: clear cedar wood grain texture on one side, smooth on the other.
- Easy to handle, machine, cut and nail.
- Won't check, split or crack.
- Cuts consistently due to uniform product density.
- Factory-primed on four sides with a low VOC primer containing a mildewcide.
- Class C fire rating: Flame spread 120; Smoke developed 90.

Performs to Highest Standard

- First and only wood composite trim to earn an evaluation report (ESR-3043) from ICC-ES.
- MiraTEC trim performs to a standard that hardboard products can't – MiraTEC is not hardboard trim.



Splashy Performance in Every Test

- **Moisture resistant:** As measured by ASTM D1037 for Water Absorption and Thickness Swelling.
- **Rot resistant:** Tested per AWPA E16 Field Test for Evaluation of Wood Preservatives to Be Used out of Ground Contact: Horizontal Lap-Joint Method.
- **Termite resistant:** Tested per AWPA E7 Standard Method of Evaluating Wood Preservatives by Field Tests with Stakes.

MiraTEC Trim Size Chart

5/8" Actual Thickness

Size		16' Pieces	
NOMINAL	ACTUAL	BUNDLE	UNIT
2" x 192"	2"	12	336
3" x 192"	2 3/4"	8	320
4" x 192"	3 1/2"	8	240
5" x 192"	4 1/2"	8	200
6" x 192"	5 1/2"	4	160
8" x 192"	7 1/4"	4	120
10" x 192"	9 1/4"	4	100
12" x 192"	11 1/4"	4	80
16" x 192"	15 1/2"	2	60



4/4 Nominal Thickness (3/4" Actual)

Size		16' Pieces	
NOMINAL	ACTUAL	BUNDLE	UNIT
2" x 192"	2"	12	336
3" x 192"	2 3/4"	8	320
4" x 192"	3 1/2"	8	240
5" x 192"	4 1/2"	8	200
6" x 192"	5 1/2"	4	160
8" x 192"	7 1/4"	4	120
10" x 192"	9 1/4"	4	100
12" x 192"	11 1/4"	4	80
16" x 192"	15 1/2"	2	60



5/4 Nominal Thickness (1" Actual)

Size		16' Pieces	
NOMINAL	ACTUAL	BUNDLE	UNIT
2" x 192"	2"	9	252
3" x 192"	2 3/4"	6	240
4" x 192"	3 1/2"	6	180
5" x 192"	4 1/2"	6	150
6" x 192"	5 1/2"	3	120
8" x 192"	7 1/4"	3	90
10" x 192"	9 1/4"	3	75
12" x 192"	11 1/4"	3	60
16" x 192"	15 1/2"	2	42





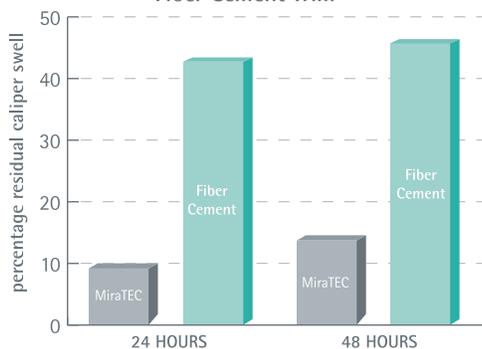
MiraTEC is the Best Trim Option

Advantages over most Fiber Cement Trim

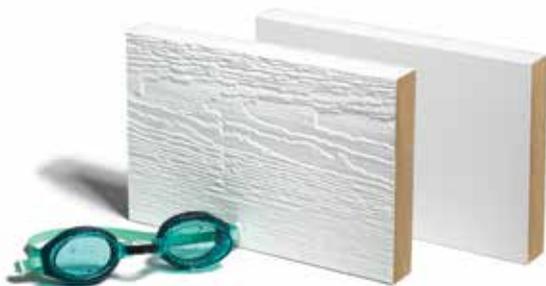
MiraTEC:

- Has a more authentic wood grain texture.
- Is reversible.
- Highly resistant to moisture. Independent tests show fiber cement absorbs over five times more water (ASTM 24 hour soak test). See chart below.
- Is 100% silica free. Cutting fiber cement releases silica, which is a known carcinogen.
- Is not brittle or difficult to stack.
- Handles like wood; so it's easier to cut and nail, and does not require special tools.
- Is available in widths up to 16" and lengths of 16', which takes less time and labor to install.
- Is backed by a 50-year limited warranty. Most fiber cement is backed by a 15-year limited warranty.
- Costs up to 30% less.

MiraTEC Absorbs Less Water than Fiber Cement Trim



Source: Independent Test, ASTM 24-Hour Soak.



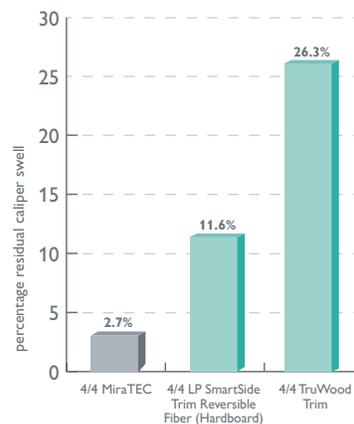
Choose either the textured or smooth side for maximum versatility

Advantages over Hardboard/Fiber Trim

MiraTEC:

- Is not laminated.
- Has greater moisture resistance, and therefore better long term performance.
- Performs up to 9 times better in Weatherability Testing, which evaluates a product's ability to withstand exposure to the exterior environment over time. See chart below.

Weatherability Testing Proves MiraTEC Performs Better than Hardboard Trim



Source: Test performed by FPInnovations (formerly Forintek).

Email miratec-testdetails@jeld-wen.com.

Advantages over PVC Trim

MiraTEC:

- Has a more authentic wood grain texture.
- Accepts all shades of paint beautifully.
- Is not prone to thermal expansion.
- Is made from sustainable materials and renewable resources.
- Costs 50% less. PVC trim is a super premium priced product.



MiraTEC is Environmentally Friendly

Sustainable Materials

- No old growth wood is used in the manufacture of MiraTEC trim. It is made from wood that has no commercial timber value and is the byproduct of other operations. This wood is also detrimental to the overall vitality of the forest.
 - All wood comes from an area within a 150 mile radius of the Towanda, PA production facility.
 - 100% northern hardwoods are used, which includes maple, beech, oak and other species.
- MiraTEC trim is treated with zinc borate, an EPA-registered biocide and a naturally occurring earth mineral that is environmentally safe and ensures protection against termites.

No Added Urea Formaldehyde

- MiraTEC trim has no added urea formaldehyde. This is certified by Scientific Certification Systems under certificate number SCS-MC-01802.
- Through repeated testing by the Composite Panel Association (CPA), MiraTEC trim has demonstrated formaldehyde emissions equivalent to background levels found in the environment.

Complies with CARB

- MiraTEC trim is acknowledged by the California Air Resources Board's (CARB) Airborne Toxic Control Measure (ATCM) 93120 to utilize exempt status ultra-low emitting formaldehyde (ULEF) resins.

Low VOC Primer

- MiraTEC trim is primed with a low VOC primer containing a mildewcide.

Contributes to Green Building Programs

- MiraTEC trim contributes to industry programs such as LEED and the National Green Building Standard.



MiraTEC Mouldings

- Provides added detail and dimension for exterior applications.
- Primed, 16' lengths in conventional 3", 4", 5" and 6" crown moulding profiles.
- Easier to work with than fiber cement and a better value than PVC.
- Smooth surface accepts all shades of paint beautifully.
- Same great features as MiraTEC trim.

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