

THE TEC™ PROCESS ADVANTAGE



MIRATEC®
by JELD-WEN



MIRATEC OUTPERFORMS MDF

The patented TEC process sets MiraTEC apart from other composite wood products that might look similar. Each board of MiraTEC trim has been manufactured to deliver outstanding performance. Moisture, rot and termite resistant with a uniform density, MiraTEC is a one solid piece – not laminated. Routed or machined, it maintains its durability.

THE TEC PROCESS PAIRS PROPRIETARY TECHNOLOGY WITH SUPERIOR INNOVATION

- Patented and proprietary manufacturing technology – Treated Exterior Composites.™
- Invented in Towanda, PA in 1999.
- Made with sustainable materials sourced from the tremendous wood basket in northeastern Pennsylvania.
- Significant investments have been made in the facility since launch.
- OSHA VPP Star Status facility.

NO OTHER TRIM PERFORMS LIKE MIRATEC

- Resists moisture, rot and termites.
- Reversible with a woodgrain texture on one side and a smooth surface on the other.
- Handles like wood; easy to machine, cut and nail.
- Won't check, split or crack.
- TEC™ patented manufacturing process makes MiraTEC a solid board that has uniform properties throughout for consistent performance in every piece.
- Primed 4 sides with an ultra-low VOC primer containing a mildewcide.
- 50-year limited warranty.

ANYONE CAN TALK PERFORMANCE; MIRATEC PROVES IT

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

REVOLUTIONARY TECHNOLOGY DELIVERS PERFORMANCE

CONVENTIONAL PROCESS: USED TO MAKE HARDBOARD/MDF

CONVENTIONAL TWO-PLATEN PRESS

MDF/Hardboard

Wood + Urea Formaldehyde Resin*
Hot Platens

Just like in a waffle iron, two hot surfaces “cook” the MDF/hardboard, which may result in uneven properties throughout the finished board.



*Urea formaldehyde resins are typically used to make MDF.

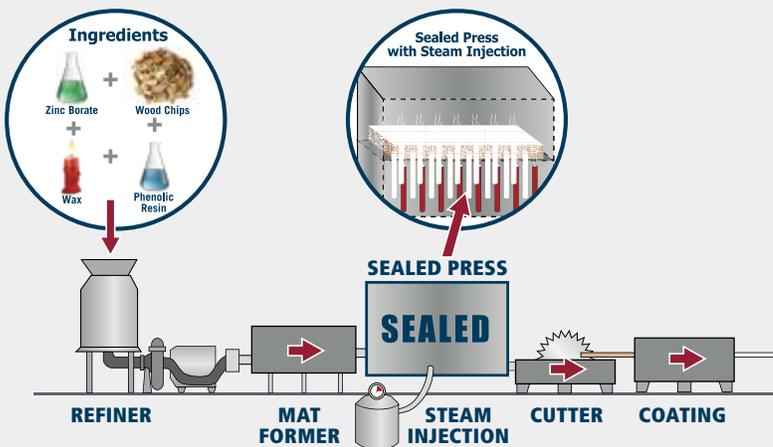
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TREATED EXTERIOR COMPOSITE (TEC) PROCESS: USED TO MAKE MIRATEC

While the manufacture of MDF/hardboard is more like a waffle iron, the TEC™ process which creates MiraTEC can be compared to a convection oven. A sealed, steam injected press produces boards that are all one piece and have the same properties through and through.



Pictured: Sealed press used to make MiraTEC



MIRATEC'S UNIQUE PROCESS USING STEAM AND PRESSURE

- Ingredients are mixed, refined and travel down a line former.
- Material is pressed in a closed press that is sealed on all sides.
- Steam is injected in the press producing a board with uniform properties and density.
- Blend of art and science creates the most authentic woodgrain texture.

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