

Fibrex® Material: A Better Material, A Better Performance



Over **100** Years
of innovation and excellence

Andersen Corporation was founded in 1903 and soon revolutionized the way windows were installed by pre-cutting materials for carpenters to assemble on the building site.

Over the years, Andersen proudly introduced other industry milestones, including new technologies and methods that made windows and doors last longer, look better, and function as intended for many years. By the 1950s, Andersen's research and development efforts were laying the groundwork for Fibrex® material and a brand new way to provide homeowners with beautiful, high quality, and efficient replacement windows.

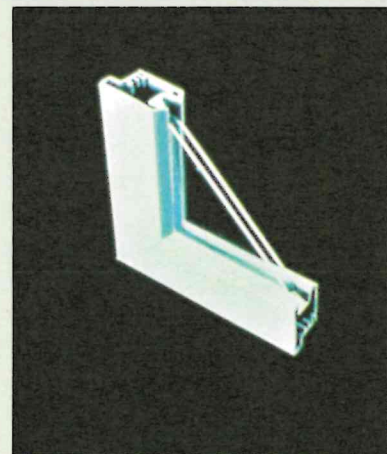
1958 Aluminum rejected as a framing material due to high conduction of heat and cold.

1959 Andersen is the first company to develop a hollow vinyl window in the U.S. but decides it doesn't have enough structural integrity. But the low maintenance feature of the vinyl had possibilities.

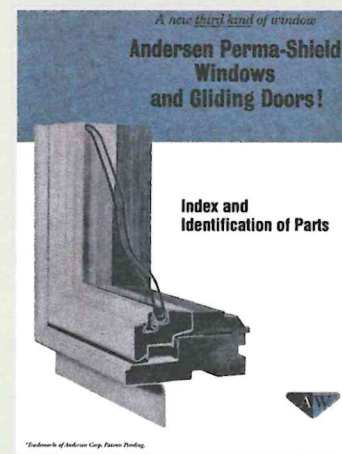
1966 Andersen creates the "clad-wood" window and door category (still the standard of excellence in stock-size new construction). Andersen Research & Development invents a way to weld the corners together for airtight, watertight performance.

1970s Over the decades, the company learns to approach manufacturing with the aim of extending, preserving and protecting resources. From the supply chain to the manufacturing line to the products themselves, Andersen strives to improve the return on its resources by making windows and doors that perform and last.

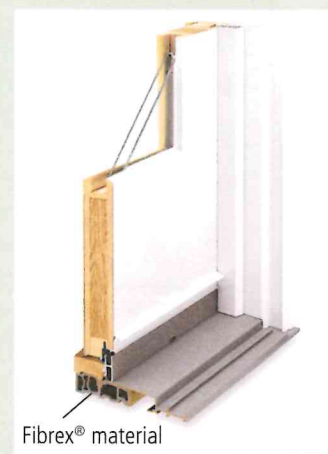
1970s Andersen sees the extra wood created by its manufacturing process as a potential material resource. The company develops window sash made from reclaimed wood fibers and thermoplastic polymers. The new material performs and weathers well. But manufacturing methods are inefficient until developments are made in the next decade.



Andersen® hollow vinyl window (1959)



Perma-Shield® clad casement (1966)



Sub-sill support for Frenchwood® hinged patio door (1993)



"L-Joint" visual appearance environmental test

1968-78 The price of wood increases 400% in 10 years. Wood's unique structure preserves its strength right down to the cellular level. Andersen expands its use of reclaimed wood fibers into pressed wood boards for hidden parts of the window. Engineered wood-wood pieces combined and pressed together-actually prove stronger than traditional raw wood.

1991 Fibrex® material is patented-it combines the best qualities of wood and thermoplastic polymers.

1993 Fibrex® material used as a sub-sill component in the Andersen® Frenchwood® hinged patio door. The Fibrex® material sill was selected for its superior strength and resistance to rot and decay, and performs exceptionally well in this demanding role.

1995 Renewal by Andersen founded. Now one of the largest window replacement companies in the U.S., Renewal by Andersen windows incorporate over 40% reclaimed wood fiber by weight from other window manufacturing operations.

2008 Renewal by Andersen® windows have achieved the highest SCS certified recycled content of any window replacement company.

Andersen® products and patents have revolutionized the window and door industry for over 100 years, changing the home construction industry, how homes are designed, and even how we live in our homes.

We are constantly testing and introducing new materials. Heat and cold chambers mimic extreme temperature conditions. Simulating devices produce extremes of dry and wet to test all new products. Windows, hardware, finishes and packaging materials all undergo testing.

"Renewal by Andersen benefits from the rich tradition of the Andersen® brand. Customers know that they can trust us, that they will be treated well and that we stand behind our products."

—Paul Delahunt

President of Renewal by Andersen

The company's innovation grows from its talented and committed employees. Andersen family values of excellence, integrity, innovation and partnership speak to the success of its past and guide a future of unlimited possibility.

Fibrex® material pellets

