



Any color. Any climate. No problem.

**TempRite® HDX220
TECHNOLOGY**

In geographic regions subject to extreme weather conditions, options for exterior house cladding used to be limited. High temperatures often caused vinyl siding products to warp and sag, while steady sun exposure caused darker colors to fade. Product performance suffered and neighborhood aesthetics were homogenized as homeowners were forced to choose from a standard palette of products, profiles and colors.

The Lubrizol Corporation, with the introduction of TempRite HDX220 Technology, changed all that. Building on a technology platform with half a century of proven performance, Lubrizol expanded the structural qualities of traditional cladding materials to allow siding manufacturers to create cladding products that can withstand heat build-up of more than 220 degrees Fahrenheit, avoid fading issues and provide outstanding resistance to failure as a result of reflective light. Homeowners now have a wide variety of reduced maintenance, energy-saving cladding options never before available that are guaranteed to stand up to the most challenging of conditions in even the darkest, boldest colors.

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*Frank Slowikowski
Gallop Roofing and Remodeling, Inc.*

Proven Performance on the Beaches of Nags Head, North Carolina

Nags Head, North Carolina is a picture-perfect destination. Situated on the Outer Banks, the area sees its share of extreme weather conditions. During the summer months, temperatures rarely dip below 70 degrees Fahrenheit and cloudless, sunny skies are the norm. Proximity to the Atlantic Ocean makes Nags Head ideal for seaside living and vacationing, but not ideal for a home's exterior cladding where heat, sun, salt, sand and humidity limit a homeowner's options for a product that will provide a long service life. Nags Head is known for the weathered wood look that adorns most of the beachfront houses. When one homeowner, Debbie Spear, felt the need for a change, Lubrizol's TempRite HDX220 Technology made that change possible.

Her Nags Head beachfront home was previously covered with the area's signature wood shake siding. The siding was worn and in need of replacement. Ms. Spear not only desired a cladding option that would hold up under the climate conditions, but one that would make a statement about the home and those who occupied it. She desired color – dark, rich color that would make her home stand out in the area. Fiber cement was heavy and difficult to install, and wood was costly to maintain, but exterior cladding engineered with TempRite HDX220 Technology, was the ideal solution.

Ms. Spear confidently selected a bold, vibrant shade of blue cladding manufactured using the TempRite HDX220 Technology. “I went down to the house shortly after they started installing the siding, and honestly I was mostly impressed with the color,” she said. “The dark blue with white trim and railing just stands out. It is reassuring knowing that it's not going to fade, but continue looking like it does.” And that promise is guaranteed as dark-colored cladding made with TempRite HDX220 Technology has been tested for nearly 10 years on homes throughout the United States with no warping, popping or color fading reported, even in areas with the most extreme weather conditions.



The siding contractor who installed the product, Frank Slowikowski of Gallop Roofing and Remodeling, Inc., was equally impressed. "The best benefit of this product is that it resists damage from reflective light. It provides an alternative to customers who want the look of traditional clapboard cladding, without the higher risks of sheathing and framing rot beneath," he said. "Here on the Outer Banks, customers like the look of clapboard siding. It is important to us to be able to provide them with a better option." In addition to protection against color fading, the TempRite HDX220 Technology makes cladding products lighter and more impact resistant, minimizing problems like heat build-up, and maximizing performance on the wall.

The pictures speak for themselves. The Nags Head house has been transformed from basic to beachfront beauty thanks to the unique science behind Lubrizol's TempRite HDX220 Technology. Color options are now virtually limitless and performance is guaranteed, expanding what's possible with exterior cladding. Debbie Spear may have captured it best by saying, "I know that once everyone on the Outer Banks finds out about this product and can actually see it in an installation setting, the sky will be the limit!"



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TempRite HDX220 Technology Comparison Chart

Benefits	Fiber Cement	Vinyl	TempRite [®] HDX220 TECHNOLOGY
50-year warranty*	X	X	X
Energy savings*	X	X	X w/ foam backing
Low installation costs		X	X
Wider/flatter reveals	X		X
Ease of installation (1 = difficult, 3 = easy)	1	3	3
Maintenance			
Easily painted	X		X
Cost of ownership	\$\$\$	\$	\$\$
Durability			
Rot resistant and impervious to termites	X	X	X
Resistant to warpage and shrinkage	X	X	X
Durable and resistant to minor impact	X		X
Resistant to wind, rain, sun and hail	X		X
Rigid to the touch	X		X
Dark color performance	X	X	X
Reflective light resistance	X		X
Perceived quality (1 = low, 3 = high)	3	1	2
Resistance to moisture absorption (1 = low, 3 = high)	2	3	3

* consult manufacturer for specific details

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