

TIGERLOC®

PRODUCT DATA SHEET

HOW IT WORKS

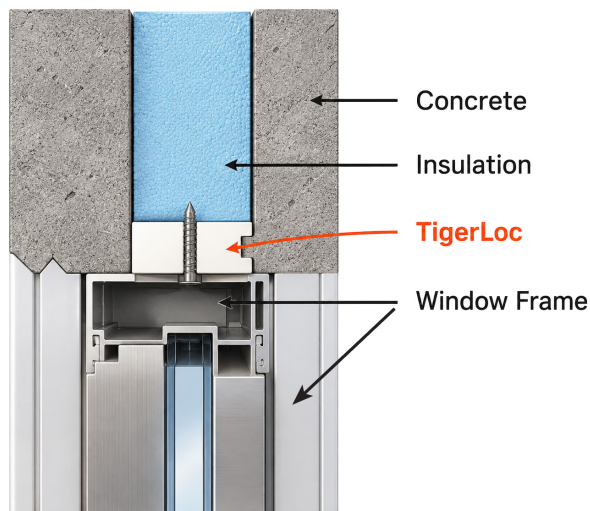
TigerLoc® is a high-performance window and door attachment embed, specially designed for precast and tilt-up concrete panels. This innovative product ensures strong, long-lasting connections, preventing common issues like rot, warping, and chemical reactions with aluminum window frames or fasteners. TigerLoc's moisture-resistant, lightweight design makes installation easier while enhancing the durability and structural integrity of concrete panels. Ideal for use in construction projects where reliability and longevity are essential.

APPLICATIONS

- Use on overhead door openings, panel edges/insulation caps, window openings, mandoor openings and more.

ADVANTAGES

- Provides a fire resistant barrier to insulation located within concrete assemblies.
- Health hazards associated with drilling into concrete and producing silica dust are minimized.
- Saves cost by eliminating the need to have your insulation custom cut for openings in insulated concrete assemblies.
- Provides 4 times the insulating value of treated wood.
- Unlike treated wood Tigerloc will not rot, warp, twist or react chemically with frames or fasteners.
- Window and door frames can be attached to TigerLoc allowing for a faster installation schedule.
- Streamlines site installation time, and lowers building energy operating costs.



USE INSTRUCTIONS

- TigerLoc is designed for simple and quick installation, as it can be easily cut and installed with standard tools found on any construction site.



nox-crete®

chemical solutions to concrete problems

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TECHNICAL DATA

TYPICAL PHYSICAL PROPERTIES	Units of Measure	Value	ASTM Method
Density	g/cc	0.48	D 1505
Water Absorption	%	0.30	D 570
Flexural Strength	psi	3,200	D 790
Flexural Modulus	psi	144,000	D 790
Tensile Strength	psi	1,000	D 638
Tensile Modulus	psi	71,000	D 638
Nail Hold	lbf	30	D 1761
Screw Hold	lbf	155	D 1761
Staple Hold	lbf	40	D 1761
Gardner Impact	in/lb	27	D 4228
Izod Impact Strength	ft-lb/in	0.22	D 256
Heat Deflection Temperature @ 264 psi	°F	150	D 648
Coefficient of Linear Expansion	in/in/°F	3.5×10^{-5}	D 696
Flame Spread Index	-	PASS	E 84
Vertical Burn Test	-	PASS	UL 94
Compression Strength	psi	273 psi	ASTM D695
Thermal Resistance (R-Value)	0.41	m2-k/W	ASTM C518

* These are standard values which apply to an average density. Small variations on the thickness of the pieces are not excluded.

AVAILABILITY AND TECHNICAL SERVICES

In addition to corporate offices in Omaha, Nebraska, Nox-Crete Inc. maintains regional offices and distribution centers in major markets around the world. For source or technical information, call 800-669-2738 or 402-341-2080.

LIMITED WARRANTY

WARNING-READ CAREFULLY

TERMS OF SALE

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NOX-CRETE warrants this product to be free of manufacturing defects. If the product when purchased was defective and was within the period of use indicated on the carton or carton, when used, NOX-CRETE will replace the defective product with new product at no charge to the purchaser.

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INHERENT RISKS

NOX-CRETE MAKES NO WARRANTY AS TO THE PERFORMANCE OF THE PRODUCT AFTER APPLYING BY THE PURCHASER AND THE PURCHASER ASSUMES ALL RISKS ASSOCIATED WITH THE USE OR APPLICATION OF THE PRODUCT.



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