

Polyiso Continuous Insulation
Below-Grade Exterior Wall & Foundation



ALWAYS **RELIABLE.**
INCREDIBLY **EFFICIENT.**

RMAX® BELOW GRADE
Insulation and Protection Board



POLYISO PERFORMS.

BELOW GRADE EXTERIOR WALLS

All building foundations come in contact with the ground. Wherever a building is located, water, temperature, air and soil on the foundation can impact the performance and integrity of the total structure. Continuous polyiso rigid foam insulation is an effective way to reduce foundation energy loss and protect against moisture problems.

VALUE FROM THE GROUND UP

Durable Facer, Added Protection

Rmax® Below Grade has a high-strength, water-shedding facer for added foundation protection.

Achieves Thermal Performance

Polyiso has a high R-value per inch compared to other insulation, allowing polyiso to meet R-value requirements with a thinner profile.

Resists Water Absorption

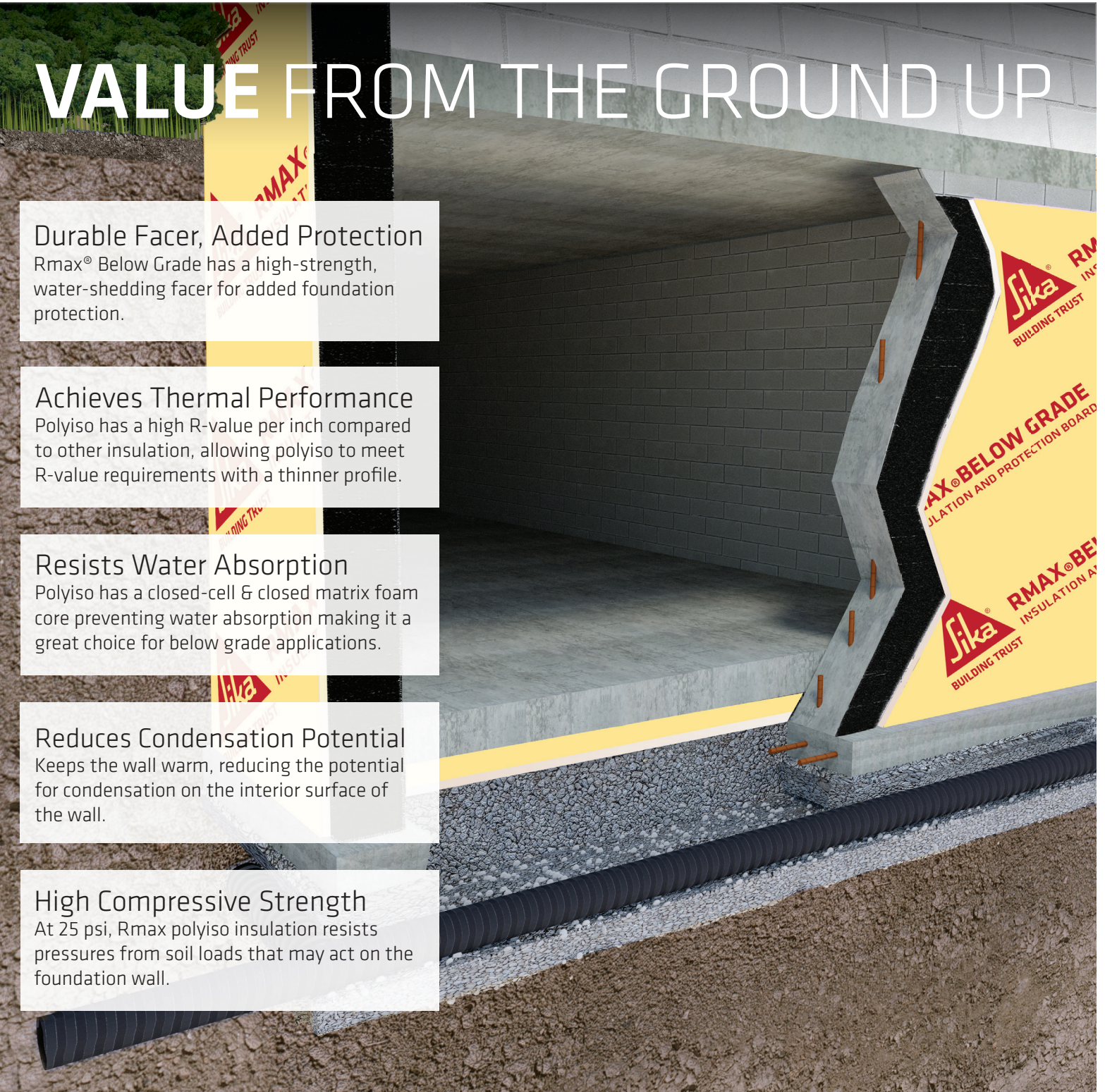
Polyiso has a closed-cell & closed matrix foam core preventing water absorption making it a great choice for below grade applications.

Reduces Condensation Potential

Keeps the wall warm, reducing the potential for condensation on the interior surface of the wall.

High Compressive Strength

At 25 psi, Rmax polyiso insulation resists pressures from soil loads that may act on the foundation wall.



LET'S COMPARE INSULATION.

Important Insulation Characteristics for Below-Grade Exterior Wall	POLYISO Polyisocyanurate Continuous Insulation	XPS Extruded Polystyrene Insulation	EPS Expanded Polystyrene Insulation
AGED R10 THICKNESS ASTM C518	1.5"	2.0"	2.5"
WATER ABSORPTION ASTM C272 (MAX)	0.3% (with or without facers)	0.3%	2%
COMPRESSIVE STRENGTH ASTM D1621 (MIN)	25 psi	25 psi	25 psi
ADDITIONAL PROTECTION	Reinforced Polymeric Facers	None	Optional (additional costs)

R-10 RMAX POLYISO OFFERS THE BEST VALUE

WORKING HARD UNDER **PRESSURE.**

Compressive strength is the ability of the product to resist crushing or deformation under a given load. A below grade product must be able to resist three types of loads without crushing in order to maintain thermal performance.

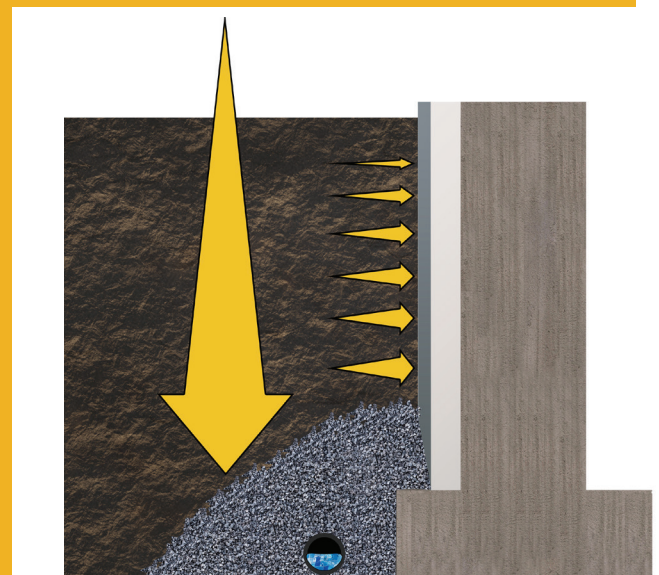
The three load types:

1. Soil weight - pressure that soil exerts on the foundation
2. Hydrostatic (water) pressure - created by standing water pushing against any object blocking it
3. Surcharge loads - transient or permanent loads on the ground adjacent to the building

Rmax® Below Grade insulation can resist pressures from all three load types that may act on the foundation wall.



**BUILT STRONG.
BUILT TO PERFORM.**



Depiction of soil load pressures on the foundation wall.

REDUCE ENVIRONMENTAL IMPACT WITH POLYISO.

RMAX POLYISO uses a blowing agent that has over **95% LESS GWP** than Next Gen XPS.

HIGHER R-VALUE

allows for less volume of material compared to XPS.

25% LESS

truckloads/trips to job site for same square foot of wall

25% LESS

volume of material needs to be produced for the same square foot of wall

25% LESS

floor space for the same turnover in distribution

Warranties, limitations and conditions refer to Rmax® sales policy and applicable warranties. All documents are located at www.rmax.com.

Sales support, pricing and availability, email rmax@rmax.com or call (800) 527-0890. Technical support, email rmax.technical@us.sika.com.

Proudly Made and Engineered in the U.S.A.



Rmax®, A Business Unit of Sika Corporation

Manufacturing Plant Locations

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PRODUCT BROCHURE
RMAX® BELOW GRADE
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