PIXIU SOLUTIONS



ROOFING

PRODUCT CATALOG

2026

For Distributors, Installers, Contractors, and Facility Developers

pixiusolutions.com | phone 519-753-2111

PIXIU SOLUTIONS

ABOUT US

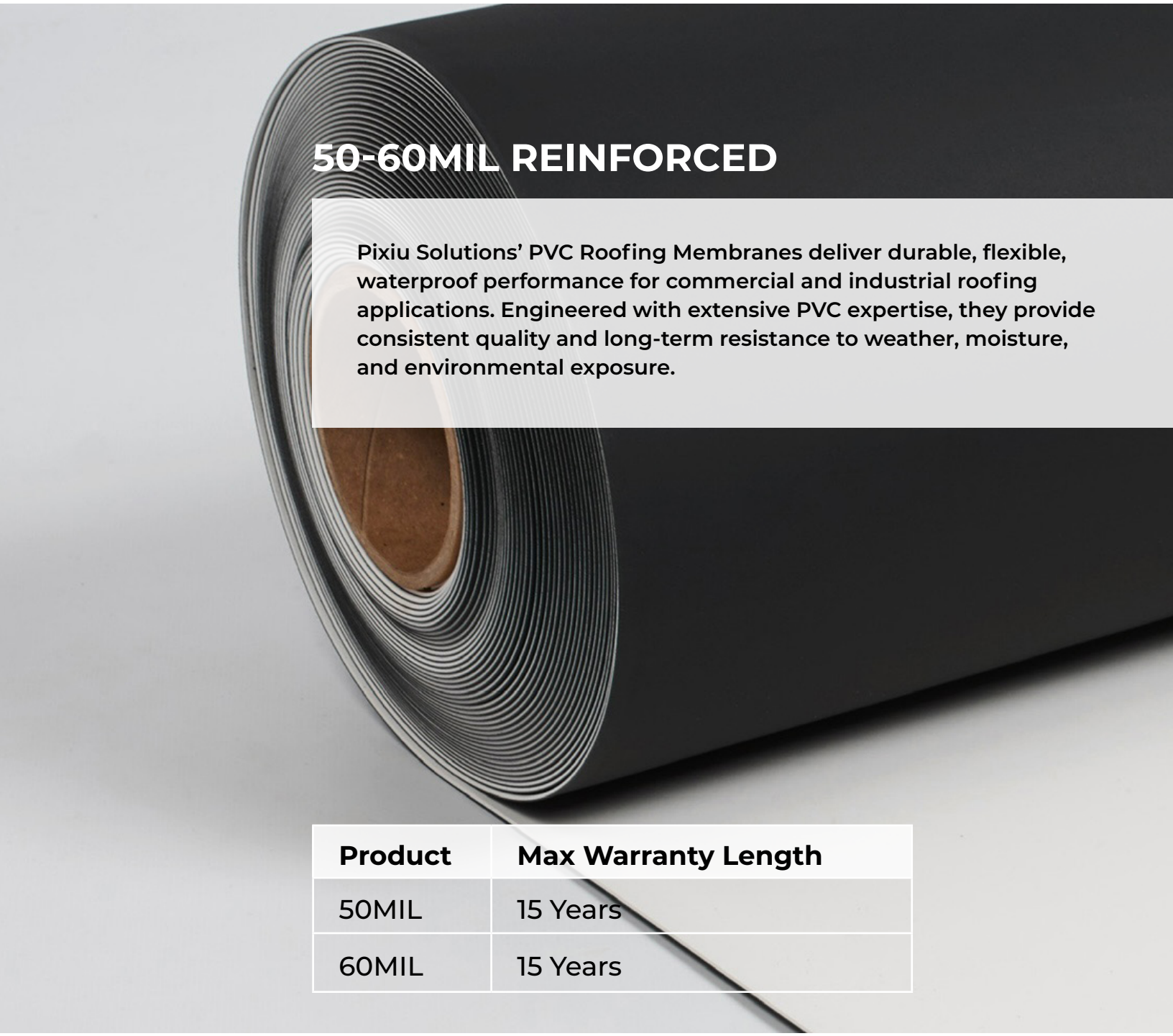


Pixiu is owned by the Chaplin family who built a manufacturing legacy of long-lasting high performance PVC products. We continue to offer good quality, well-priced rolled products which we can customize to specific needs.

PVC AND TPO ROOFING MEMBRANE

Pixiu Solutions offers specialized reinforced PVC and TPO Roofing Membranes in 50 mil and 60 mil thicknesses, alongside their patented peel-and-stick URoof Full System designed to eliminate up to 99% of on-roof welding.

Available In White and Grey



50-60MIL REINFORCED

Pixiu Solutions' PVC Roofing Membranes deliver durable, flexible, waterproof performance for commercial and industrial roofing applications. Engineered with extensive PVC expertise, they provide consistent quality and long-term resistance to weather, moisture, and environmental exposure.

Product	Max Warranty Length
50MIL	15 Years
60MIL	15 Years

STANDARD PVC ROOFING MEMBRANES

High-standard 50mil and 60mil reinforced PVC and TPO roofing sheets formulated with quality resins for tensile strength and dimensional stability. This membrane can be heat-welded, is UV-resistant, and can endure direct weather exposure, meeting ASTM 4434 standards.



KEY FEATURES

EXCEPTIONAL WATERPROOF PROTECTION

Creates a durable barrier to help prevent moisture intrusion and protect building structures.

WEATHER-RESISTANT PERFORMANCE

Withstands exposure to sun, rain, temperature changes, and demanding outdoor conditions.

FLEXIBLE AND DURABLE CONSTRUCTION

Provides installation flexibility while supporting long-term performance

CONSISTENT MANUFACTURING QUALITY

Manufactured with precision and a commitment to material excellence.

VERSATILE APPLICATIONS

Suitable for a wide range of commercial and industrial roofing needs.

PIXIU SOLUTIONS

Contact Pixiu Solutions to learn more about our PVC Roofing Membranes and capabilities.

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PVC ROOF MEMBRANE

TECHNICAL DATA SHEET

DESCRIPTION	Test Method	Requirement	50 mil	60 mil
Overall thickness of PVC sheet	ASTM D 751	>50 mil (± 10%) >60 mil (±10%)	50	60
Tensile strength, lbf/in.	ASTM D 751	200X200	279X321	318X325
Elongation at break, %	ASTM D 751	>15X15	46X42	30X28
Retention of properties after heat aging, ASTM D 3045, 80°C, 56 days				
Tensile Strength, 90 % of original	ASTM D 751	Pass	Pass	Pass
Elongation, 90 % of original	ASTM D 751	Pass	Pass	Pass
Tearing strength, lbf	ASTMD 751, B-Tongue Tear Method, 8"x8"	45	58X69	62X78
Low Temperature Impact	ASTM D1790, -30°C	Pass	Pass	Pass
Low Temperature Flexibility	ASTM 2136, -40°C	Pass	Pass	Pass
Accelerated weathering test, Practice G 154, 5000 h				
Cracking	7x magnification	None	None	None
Crazing	7x magnification	None	None	None
Linear dimensional change	D 1204, 80°C for 6 h	≤0.5	≤0.3	≤0.2
Change in weight after immersion in water	D 570, 80°c for 168 ± 1 h	< 3%	1.1%	1.4%
Static Puncture Resistance	ASTM D 5602, 15kg @ 23°C	Pass	Pass	Pass
Dynamic Puncture Resistance	ASTM D 5635, 20J @ 23°C	Pass	Pass	Pass

These results do not constitute any warranty of the material. All tests are conducted with calibrated equipment and are within specification.

ROOFING MEMBRANE SPECIFICATIONS

Thickness Options: Available in 50 mil and 60 mil reinforced sheets.

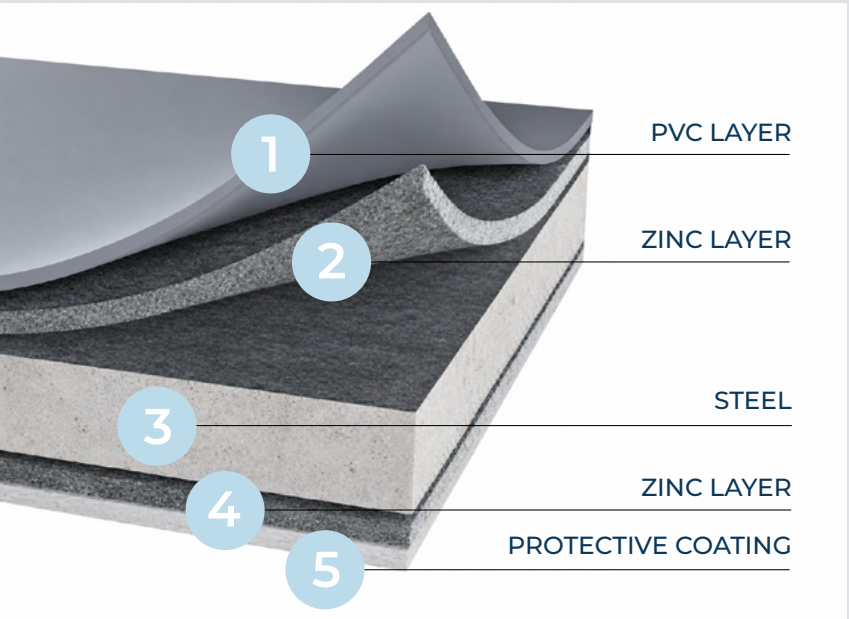
Constructions: Available in PVC (Polyvinyl Chloride) and TPO (Thermoplastic Polyolefin) formulations.

Core Composition: Formulated with high-grade resin and internal scrim reinforcement while avoiding standard fillers to optimize performance.

Key Properties: High tensile strength, high bond strength, along with enhanced dimensional and color stability.

PVC COATED METAL FLASHING

Pixiu Solutions durable, formable sheet material constructed from 22-gauge galvanized steel with a 23-mil PVC surface coating. The multi-layer construction combines the strength of galvanized steel with a protective, corrosion-resistant PVC surface. The underside is finished with a protective grey lacquer for added durability.



White
RAL 9010

Black
RAL 9011

Copper
Brown
RAL 8004

Light Grey
RAL 7040

Sheet:	DX51D
Type:	Galvanized 0.55 mm steel sheet, bottom side coated with grey lacquer
PVC membrane on face side:	PVC-P, 0.6 mm; stabilized against weather influences and UV Radiation
Standard coil dimensions:	1000 x 2000 mm
Packing:	50 sheets / pallet
Weight (1 sheet):	Approx. 10.5 kg
Fire resistance:	EN 13501-1, class E
Fire resistance:	EN 13501-5, classification BROOF (t3)
Colours:	White RAL 9010, Black RAL 9011, Copper Brown RAL 8004, Light Grey RAL 7040

ROOFING ACCESSORIES

FASTENERS & ACCESSORIES

#12 PHILLIPS HEAD LOOSE

DESCRIPTION	PART #
#12 x 1-5/8”	1366760
#12 x 2-1/4”	1366759
#12 x 3”	1635618
#12 x 4”	1655249
#12 x 5”	785797
#12 x 6”	785818
#12 x 7”	785835
#12 x 8”	785851

#15 PHILLIPS HEAD LOOSE

DESCRIPTION	PART #
#15 x 1-1/4”	789566
#15 x 2”	1204935
#15 x 3”	789609
#15 x 4”	789635
#15 x 5”	789664
#15 x 6”	789692
#15 x 7”	1230686
#15 x 8”	789740
#15 x 10”	789767
#15 x 12”	789791
#15 x 14”	789807
#15 x 16”	789822

#14 PHILLIPS HEAD LOOSE

DESCRIPTION	PART #
#14 x 1-1/4”	1366864
#14 x 2”	1366863
#14 x 3”	1366865
#14 x 4”	1203578
#14 x 5”	1203605
#14 x 6”	1203632
#14 x 7”	1203659
#14 x 8”	1203810
#14 x 9”	1204081
#14 x 10”	1202260
#14 x 11”	1202597
#14 X 12”	1202600
#14 x 12”	1202600

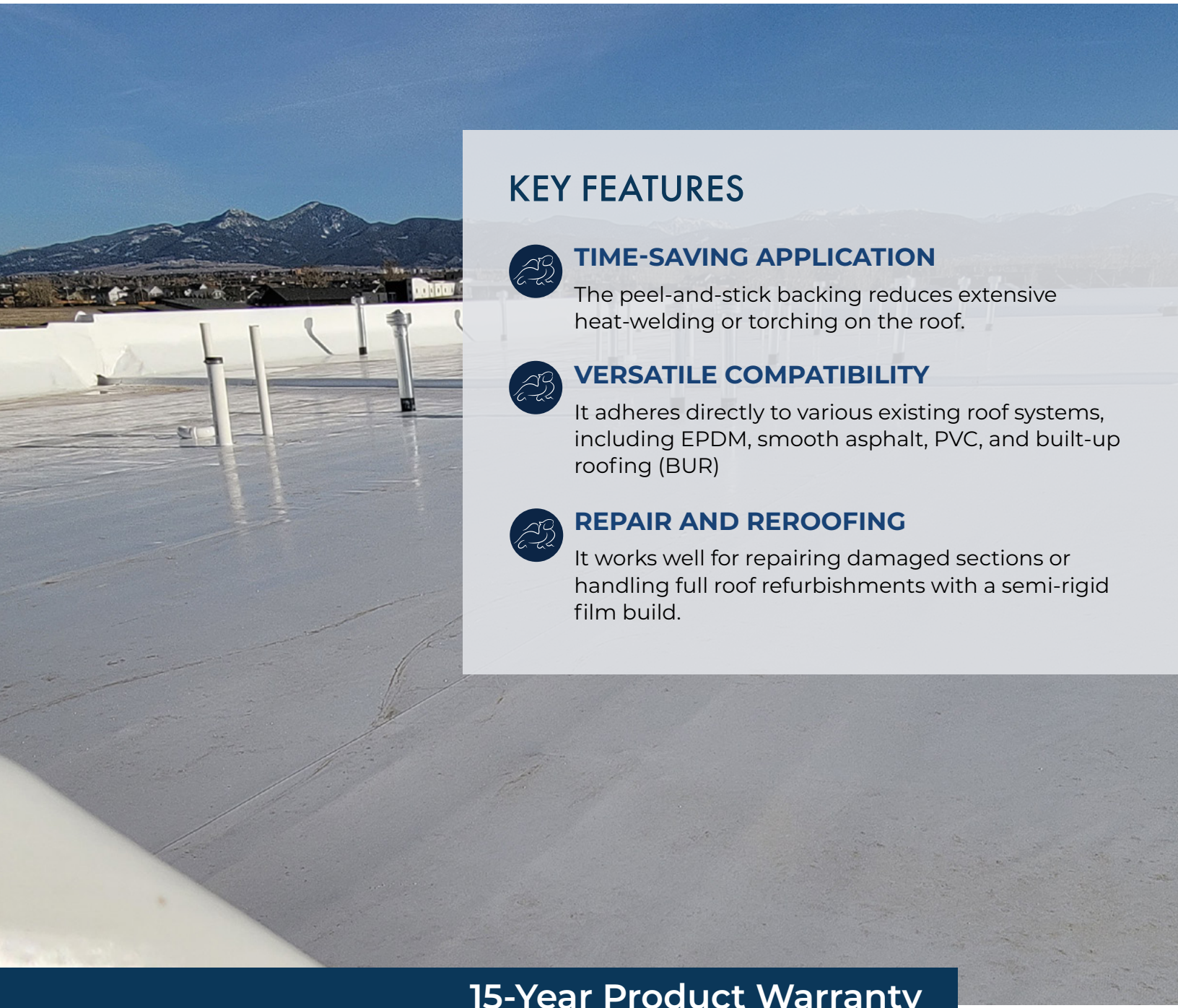
LOOSE STRESS PLATES

DESCRIPTION	PART #
2-7/8” Hex Galvalume Insulation	730612
2” Non-barbed Galvalume Plate	727658
2” Barbed Galvalume Plate	298312
2-3/8” Barbed Plate	982326
3” Round Stacked Galvalume Plate	739814
Isoweld TPO Plate	1555269
Isoweld PVC Plate	1555270

ACCESSORIES
SFS PVC Induction Plates
Termination Bars (10’)
Corners, Stacks

UROOF PEEL AND STICK SYSTEM

Pixiu Solutions offers URoof, a patented peel-and-stick roofing membrane designed to **eliminate 90% to 95% of on-roof welding**—drastically cutting down installation and repair time.



KEY FEATURES

TIME-SAVING APPLICATION

The peel-and-stick backing reduces extensive heat-welding or torching on the roof.

VERSATILE COMPATIBILITY

It adheres directly to various existing roof systems, including EPDM, smooth asphalt, PVC, and built-up roofing (BUR)

REPAIR AND REROOFING

It works well for repairing damaged sections or handling full roof refurbishments with a semi-rigid film build.

15-Year Product Warranty

UROOF PATCH & REPAIR

Designed for reliable long-term performance using the same robust 60 mil reinforced layer and strong adhesive properties for metal, concrete, wood, and standard roofing materials



Pixiu offers a solution for flat or low sloped roofs requiring immediate repair. UROOF is rolled vinyl reinforced film with Peel & Stick application. Its bond strength is exceptional and can be applied on most types of surfaces (even PVC) by applying 100 lbs pressure. Rolls are available in varying widths.

Pixiu relies on its extensive partnerships to design, develop and test its products within a peer review culture, ensuring the best ideas are translated into the best products. We're located in Ontario, Canada - the development mecca of the world where companies converge to create the best that science has to offer.



Training & Technical Resources

Pixiu provides installers, fabricators, and contractors with access to a growing library of technical resources, installation guides, product documentation, and training materials. From welding techniques and detailing to maintenance best practices, our online support tools are designed to help ensure consistent, high-quality installations and long-term product performance.



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