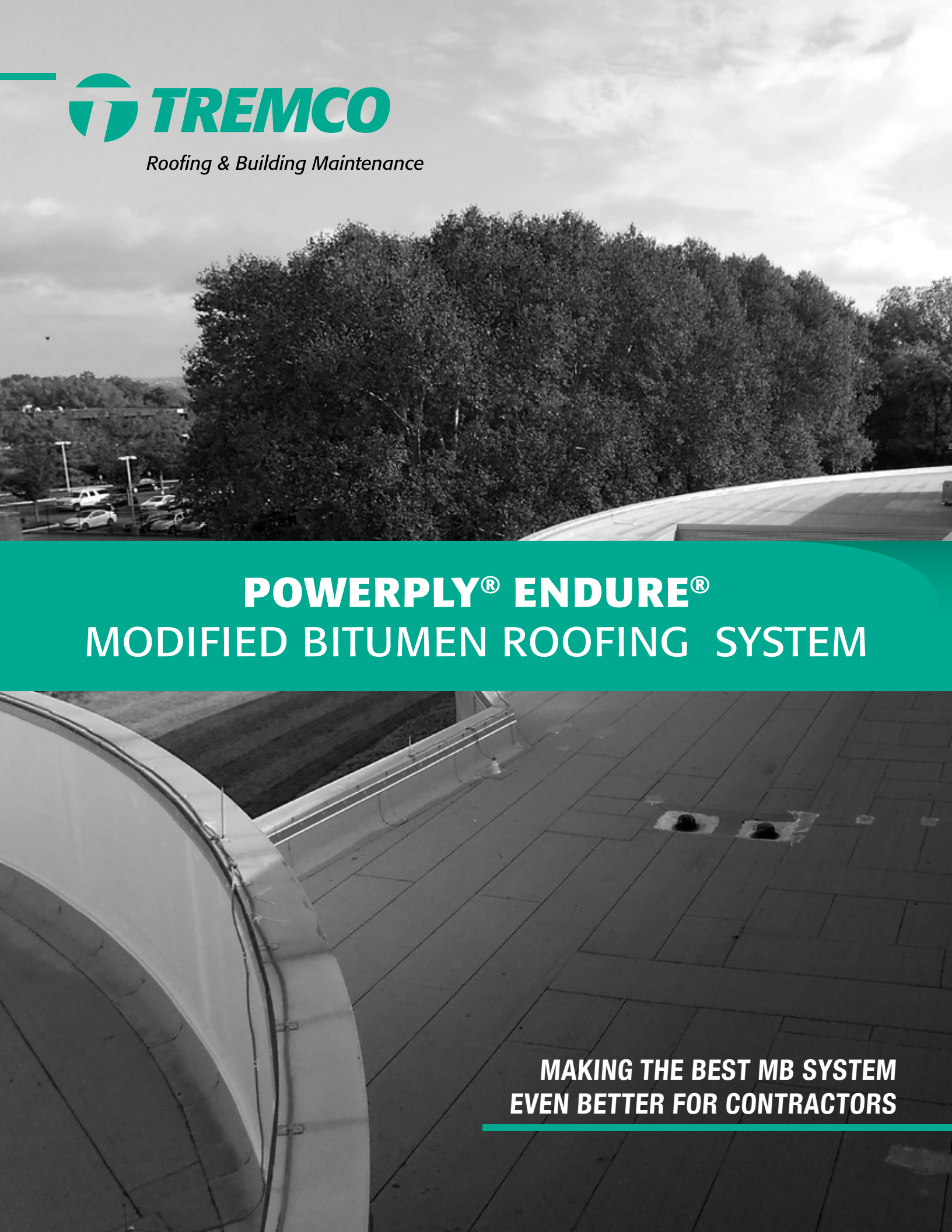




*Roofing & Building Maintenance*

A black and white photograph of a curved roof structure, likely a dome or a large industrial building. The roof is covered in a modified bitumen system. In the background, there are dense trees and a parking lot with several cars. The sky is overcast.

# **POWERPLY® ENDURE®** MODIFIED BITUMEN ROOFING SYSTEM

**MAKING THE BEST MB SYSTEM  
EVEN BETTER FOR CONTRACTORS**

# THE POWERPLY ENDURE MODIFIED BITUMEN IN T

## FOUR FEATURES MAKE US UNIQUE

1

### *GranuLock™ Surface Treatment*

Granule retention is a key feature of all modified bitumen cap sheets. Factory-applied granules protect the modified asphalt from UV exposure, which is vital to the longevity of the roof membrane. Just as important, these granules help provide a fire-resistant surfacing for the roof system. The industry has adopted the test standard ASTM D4977 to measure granule retention as a quality control test and has set the criteria of a maximum loss of 2 grams per sample (approximately 7.7 pounds per one square roll).

Unfortunately, not all manufacturers consistently meet this standard, and granule loss is common on many brands. Tremco's granule retention performance is already among the industry's best. Now with GranuLock™, granule retention has improved to an amazing 0.2 gram loss per sample, or about 0.77 pounds per roll! This treatment is practically invisible to customers, compatible with any final surface coatings or adhesives, and secures granules for long term roofing protection and resistance to fire.



0.77 lbs granule loss per roll  
POWERply Endure by Tremco

**With the Introduction of GranuLock Surface Treatment, Tremco Roofing Takes Granule Performance to a New Level.**



7.7 lbs granule loss per roll  
Acceptable per ASTM D4977



**Improve Performance  
and Extend Durability**

### *Extended Durability New Bitumen Blend*

One major improvement in POWERply Endure Membrane durability results from our innovative new SBS modified bitumen blend. Adding two more polymers to the blend improves its high temperature resistance while not diminishing any of the other key properties, such as low temperature flexibility. The result of this improved SBS bitumen blend is a membrane that is firmer under foot, resisting traffic damage, marring, and the wear and tear effects of long term weathering.

These performance improvements were brought about by using a Thermoplastic Polyurethane (TPU) and a Reactive Elastomeric Terpolymer (RET) to blend with and enhance the SBS modifier. While the resulting products exceed ASTM performance standards for SBS modified bitumen membranes, these membranes can still be matched into competitive specifications, which allows your clients to benefit from the improved performance that the POWERply Endure Membranes offer.

2

# THE MB SYSTEM-THE BEST IN THE INDUSTRY

## *Anti-wick Reinforcing Fabrics*

SBS modified bitumen membranes are prone to absorbing moisture into the cut edges, which can become entrapped. POWERply Endure Membranes incorporate an anti-wick fiberglass fabric, solving another industry issue with a unique Tremco approach.



*Ensures a System that Remains  
Watertight for Years to Come*

3

4



*Embedded Technology  
Enhances Quality Assurance*

## *RooF-ID™ Identification Chips*

Tremco Roofing is addressing the concern of identifying roofing materials after installation by incorporating a Radio Frequency Identification (RFID) chip onto the back of every POWERply Endure MB roll. RooF-ID chips are resistant to the short-term effects of installation in cold or hot asphalt and long term exposure on the roof. If information on a roll is needed, a technician walks and scans an area of the roof, then forwards the data from the RooF-ID chip to Tremco. We cross reference the data against our records; if any action is required, we handle it quickly and efficiently. The RooF-ID program is a no-cost extension of the Tremco Quality Control process.

# DESIGNED TO ENDURE THE ELEMENTS AND POWERED BY TREMCO

## **POWERply Endure Membranes and POWERply Endure BIO Adhesive TF – Making the Best MB Systems Even Better**

Tremco Roofing's POWERply line of modified bitumen systems has a long history of exceptional performance; combining POWERply Endure Membranes with POWERply Endure BIO Adhesive TF takes this performance to new heights. POWERply Endure Membranes offer unique features while the ultra-low odor, high strength, fast curing POWERply Endure BIO Adhesive TF provides the holding strength to keep the membranes securely in place in all types of climates and locations. Together, they offer you an MB system with unmatched durability and exceptional weatherproofing.

POWERply Endure Membranes can be mechanically attached or fully adhered in cold or hot adhesives. We can incorporate additional roofing plies to meet specifications for high-performance roofs, and are committed to working with contractors and facility owners to ensure that POWERply roofing system meet building codes.

| <b>Product Name</b>        | <b>Surfacing</b> | <b>Thickness</b> | <b>Roll Size</b> | <b>Modifier Type</b> |
|----------------------------|------------------|------------------|------------------|----------------------|
| POWERply Endure 100 FR     | Granule          | 3.2 mm (126 mil) | 1 SQ             | SBS/RET/TPU          |
| POWERply Endure 200 FR     | Granule          | 3.8 mm (150 mil) | 1 SQ             | SBS/RET/TPU          |
| POWERply Endure 300 FR     | Granule          | 3.7 mm (146 mil) | 1 SQ             | SBS/RET/TPU          |
| POWERply Endure 320 FR     | Granule          | 3.7 mm (146 mil) | 1 SQ             | SBS/RET/TPU          |
| POWERply Endure 100 Smooth | Smooth           | 2.3 mm (90 mil)  | 1.5 SQ           | SBS/RET/TPU          |
| POWERply Endure 200 Smooth | Smooth           | 2.4 mm (94 mil)  | 1.5 SQ           | SBS/RET/TPU          |
| POWERply Endure 300 Smooth | Smooth           | 2.4 mm (94 mil)  | 1.5 SQ           | SBS/RET/TPU          |
| POWERply Endure 320 Smooth | Smooth           | 2.2 mm (87 mil)  | 1.5 SQ           | SBS/RET/TPU          |

*POWERply Endure Smooth membranes may be specified as either cap sheets under a flood coat & gravel surfacing or as base membranes in low slope multiply (MB & BUR) roof systems.*

# TO LEARN MORE, VISIT **[INFO.TREMCOROOING.COM/POWERPLY](http://INFO.TREMCOROOING.COM/POWERPLY)**



Find your nearest Tremco Roofing sales representative at [tremcorooing.com/find-a-rep](http://tremcorooing.com/find-a-rep)

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220 Wicksteed Avenue | Toronto, ON | M4H 1G7 | 800.668.9879  
[tremcorooing.com](http://tremcorooing.com)



Roofing & Building Maintenance

Tremco Roofing and Building Maintenance is part of Tremco Construction Products Group, offers a full range of sophisticated analytical, maintenance and information-based services with one simple goal – to maximize the life of your roof and protect the value of your building.

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