FIRESTONE RUBBERGARD™ EPDM
**RUBBERGARD™ EPDM SYSTEM OPTIONS**

Firestone’s comprehensive offering of EPDM systems includes durable products created with ease of installation and productivity top of mind. Our products not only meet stringent code and design requirements but also help provide greater control over projects and the roofing season.

- **RubberGard™ EPDM**
- **FullForce™ EPDM SA**
- **RubberGard™ EPDM Pre-Taped (PT)** with PT mixed options – RubberGard™ PT, MAX PT, EcoWhite™ PT

**Fully Adhered RubberGard™ EPDM**

- Available in black or white
- Popular choice for new construction and re-roofing
- Ideal where ease of inspection and maintenance is important
- Highest wind uplift approvals
- Adaptable to a variety of substrates and roof configurations
- 30-year warranties

**Ballasted RubberGard™ EPDM**

- Features large roofing panels (up to 50’ x 200’) covered with pavers or smooth, washed stone
- Fast coverage and economical installation
- Ideal for stores, offices and warehouses
- Aesthetically pleasing appearance

**Mechanically Attached RubberGard™ EPDM**

- Accommodates a wide variety of roof configurations
- Popular choice for re-roofing
- Can be engineered to meet a wide variety of wind-uplift requirements

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**TOP BENEFITS OF RUBBERGARD™ EPDM**

- **HISTORICALLY PROVEN**
  - Membrane has up to 40 years of proven service life
  - After decades of exposure to extreme environmental conditions, the EPDM membrane continues to exhibit a great ability to retain the physical properties and performances of ASTM specification standards
  - Little or no maintenance required over its service life
  - Outstanding weathering characteristics and superior durability
  - Offers excellent low-temperature properties and longer service life

- **LEADS IN EASE OF INSTALLATION**
  - With elongation of 300%+, EPDM can shift with and absorb building movement, leading to a more resilient system
  - EPDM is naturally pliable which allows for easier detail work, even in cold conditions
  - EPDM can be repaired at any point in its life, while some thermoplastic membrane lose their initial weldability and flexibility properties
  - EPDM requires no expensive specialized equipment such as robots/hand-welding equipment or generators vs. other roofing systems
  - On-demand support from trusted technical team with over 500 years of roofing experience

- **COMPREHENSIVE OFFERING**
  - Portfolio supports all attachment methods: Fully Adhered, Ballasted, Mechanically Attached
  - Full assortment of upgradable features and accessories: FullForce™ Self-Adhered (SA), PT, MAX Reinforced, FR (additional flame retardance)
  - Available in traditional black or white EPDM
  - Available in all industry-standard thicknesses including 45 mil, 60 mil, 75 mil reinforced and 90 mil
  - Extensive portfolio of supporting EPDM Quick Seam™ accessories

**INSTALLATION OPTIONS TO GAIN CONTROL OVER PROJECT SCHEDULES**

- **FullForce™ EPDM SA** features factory-applied adhesive: no seam tape, installs faster than traditional EPDM, no odor and no VOCs
- **RubberGard™ EPDM available in widths from 5’ to 50’ and lengths up to 200’, requiring fewer seams and less installation time compared to other single-ply membranes**
- **Systems available for installation in 20°F (-7°C) and rising conditions; thereby extending the roofing season and enabling EPDM contractors to better control their labor scheduling with an unpredictable market**
- **No/low VOC and no/low odor options, which are ideal for occupied buildings**
- **Technical Library of >1,800 supporting EPDM documents, including over 1,500 Detail Drawings, assuring options for virtually every circumstance**
FULLFORCE™ EPDM SA

GET MORE DONE BY SPENDING LESS TIME ON EACH ROOF.
Discover a membrane that installs faster and easier and can be applied by roofers with varying levels of experience. Firestone FullForce™ EPDM SA is the only EPDM membrane to feature a factory-applied adhesive across its entire surface. This adhesive enables you to install faster and without seam tape, so you can lay down more squares in a day and get to more roofs in the season.

4.6X FASTER

UNROLL MORE ROOFS IN LESS TIME WITH FULLFORCE™ EPDM SA.

FullForce™ EPDM SA installs 4.6X faster than standard EPDM membrane¹, including seams. No seam tape, no adhesives and no waiting for flash off.

TOP BENEFITS OF FULLFORCE™ EPDM SA

SUPERIOR COLD-WEATHER PERFORMANCE
• Creates a strong bond even in cold temperatures as low as 20°F (-7°C)
• Ideal for increasing your installation window and improving your bottom line

ZERO VOCs AND ZERO ODOR
• Unlike standard and low-VOC bonding adhesives, FullForce™ EPDM SA contains zero VOCs, making it compliant with all regulations and safe for contractors, building occupants and the environment
• No odor means it’s suitable for businesses like hospitals, schools and manufacturing facilities to stay operational during roofing

ADHESIVE STRENGTH
• Firestone’s Secure Bond technology has been providing a strong bond since 2015²
• This factory-applied adhesive ensures uniform adhesion coverage across the entire membrane from seam to seam, creating exceptionally strong roofing systems

EXCEPTIONAL WIND-UPLIFT RESISTANCE
FullForce™ EPDM SA is engineered to withstand well over 180 pounds per square foot in wind-uplift pressure, achieving an FM 1-780 rating, far surpassing traditional wind-uplift needs.

Wind-Uplift Performance at Seams

Pounds per Square Inch

<table>
<thead>
<tr>
<th>Seams</th>
<th>FM 1-20</th>
<th>FM 1-120</th>
<th>FM 1-160</th>
<th>FULLFORCE</th>
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<tr>
<td>0</td>
<td>40</td>
<td>40</td>
<td>40</td>
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<tr>
<td>5</td>
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<td>30</td>
<td>5</td>
<td>5</td>
<td>5</td>
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</tr>
</tbody>
</table>

¹ Testing shows that FullForce™ installs 4.6X faster than standard EPDM, as validated by an independent third party.
² Using Firestone Single-Ply Primer broadens usability as well as standard solvent-based bonding adhesives without having to worry about the variability of inconsistent or incorrect coverage rate, or proper flash-off associated with applying liquid bonding adhesives, especially in cold weather (under specific laboratory conditions).

1 The thermal performance of Firestone’s ISOGARD™ polysulfide insulation is up to 40% better than major competition when tested by an independent third party in cold temperature 40°F (4°C) applications according to ASTM C1289 standards. The increased R-value per inch means better thermal performance from the same roofing system using the same amount of insulation compared to leading competitive products on the market today.

2 Conditions apply. See firestonebpco.com/warranty for details.

FULLFORCE™ EPDM SA CONT’D

FULLFORCE™ EPDM PRE-TAPED (PT) MEMBRANES
These membranes expand the popular RubberGard™ and EcoWhite™ product lines to include both 60 mil and 90 mil thicknesses. Pre-taping reduces labor compared to field application of seam tape. RubberGard™ EPDM PT membranes are available in the following options:

RUBBERGARD™ EPDM PRE-TAPED (PT) MEMBRANES

RUBBERGARD™ EPDM LSFR PT SYSTEM
1. Firestone Rubbergards™ EPDM LSFR PT
2. Firestone Factory-Applied QuickSeam™ Tape
3. Firestone Bonding Adhesive
4. Firestone Fasteners and Insulation Plates
5. Firestone ISO 95+™ Insulation
6. Roof Deck

RUBBERGARD™ EPDM MAX PT
• Available in widths up to 10’ and thicknesses up to 75 mil
• Excellent for roofs with frequent service demands
• Reinforced to combat tears and punctures
• Provides superior resistance to wind forces

RUBBERGARD™ ECOWHITE™ EPDM PT
• Available in widths up to 25’ and thicknesses up to 90 mil
• Outstanding solar reflectivity and durability
• Membrane is eligible for a Red Shield™ Platinum Warranty™ up to 30 years²
• Seam tape is cut flush with membrane for a more aesthetically pleasing, finished roof

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2 Conditions apply. See firestonebpco.com/warranty for details.
WITH RUBBERGARD™ EPDM PLATINUM™ SYSTEMS, YOU’LL ENJOY THE BENEFIT OF THE FIRESTONE RED SHIELD™ PLATINUM™ LIMITED WARRANTY™ THAT INCLUDES:

• Puncture: Coverage for incidental punctures
• Puncture/hail: Coverage for punctures of up to 2"-diameter hail
• Puncture/hail/wind: Coverage for punctures, hail and 100-mph winds

*RUBBERGARD™ MAX EPDM (REINFORCED)

Available in 45 mil, 60 mil and 75 mil
RubberGard™ MAX (reinforced) EPDM is an internally reinforced, cured, single-ply roofing membrane that is designed to combat roof tears and punctures and helps provide superior resistance to wind forces. RubberGard MAX provides added strength to an already long-lasting roofing system.

*RUBBERGARD™ ECOWHITE™ EPDM

KEEP ROOFTOPS COOLER WHILE MAINTAINING THE HIGH STANDARDS YOU HAVE COME TO EXPECT FROM FIRESTONE.
RubberGard™ EcoWhite™ EPDM membrane combines the proven performance of EPDM with a highly reflective white surface for regions that have higher cooling costs.
RubberGard™ EcoWhite™ EPDM is easy to handle, installs quickly and is more flexible than thermoplastic single-ply membranes, making it ideal for year-round applications.

ENJOY THE FOLLOWING BENEFITS WITH ECOWHITE™:
• Contributes to USGBC LEED® certification
• Assists in RoofPoint certification
• Available in both 60 mil and 90 mil

*Conditions apply. See firestonebpco.com/warranty for details.
**ACCESSORIES**

**FIRESTONE EPDM ACCESSORIES HAVE BEEN SUCCESSFUL OVER THE YEARS DUE TO THEIR MANY BENEFITS, INCLUDING:**

- Easier and faster installation, which can significantly reduce labor costs
- Reduction of VOCs on the job site
- Tested and proven quality and reliability

**ONE-PART POURABLE SEALER (BLACK OR WHITE)**

Firestone One-Part Pourable Sealer is a liquid flashing solution that requires no mixing to simplify application*. This next-generation sealer was designed for application in difficult-to-flash areas such as angled pipes and I-beams. Acceptable for flashing heights as low as six inches, the product conforms to any shape, is self-terminating and cures quickly to deliver a watertight seal in about 90 minutes.

- **READY TO USE:** No measuring and no mixing means Firestone One-Part Pourable Sealer reduces installation time and eliminates the risk of incorrect preparation.
- **QUALITY PERFORMANCE:** A watertight seal you can trust on difficult flashing details. One-Part Pourable Sealer is included in the Firestone Red Shield™ Limited Warranty† for up to 20 years when used as a complete flashing system with liquid and fabric.
- **ENHANCES PRODUCTIVITY:** Water resistant in 90 minutes. Quick application and cure times enable flashing details to be completed efficiently, optimizing labor resources.
- **REDUCES WASTE:** Reusable packaging can be saved to use within 30 days. See TIS and Application Guide for details and instructions.

**QUICKSEAM™ ACCESSORIES**

- **QuickSeam tape** gives some efficiencies with application of EPDM systems over conventional splice adhesives, including more quality control and environmental improvement (not required or applicable with FullForce™ EPDM systems).
- **QuickSeam SA Flashing** consists of an 18" wide, 60 mil RubberGard™ EPDM membrane laminated to QuickSeam tape. The self-adhering technology of QuickSeam SA Flashing was developed for both curbs and parapets in association with RubberGard™ EPDM roofing systems.

**ADHESIVES**

**JET BOND SPRAY ADHESIVE. SPRAY IT ON. GET IT DONE.**

Firestone Jet Bond LVOC sprayable bonding adhesive is designed to be portable and easy to use. It’s a versatile product that requires minimal flash-off time. Jet Bond adheres to multiple membranes and substrates, and it works for vertical or horizontal applications. It’s perfect for contractors who are looking for a more convenient alternative to traditional roll-on applications.

- Boost productivity with an adhesive designed to reduce labor
- Quicker than traditional roll-on adhesive
- Fast installation with minimal flash-off
- Applies in temperatures as low as 25°F (-4°C) so your team can keep roofing in colder weather
- Each resealable canister is all-inclusive, so you can avoid purchasing expensive spray rigs

**EPDM SOLVENT-FREE BONDING ADHESIVE**

**DO MORE WITH LESS**

As air quality regulations become more stringent, you can count on Firestone for a premiere solution. Our RubberGard™ EPDM Solvent-Free Bonding Adhesive is a synthetic, polymer-based bonding adhesive, making it nonhazardous and easy to store and ship.

- Odorless and contains near-zero VOCs
- Environmentally friendly and easy to use on occupied buildings
- Can be applied to the substrate only, cutting application time in half
- Increased coverage rate allows for up to 750 sq. ft. of coverage per pail

Provides additional versatility in EPDM LSFR Standard, Platinum™, MAX and EcoWhite™ and can be used with UltraPly™ TPO.

**SINGLE-PLY LVOC BONDING ADHESIVE**

**EXCELLENT ADHESION**

When cold weather arrives, this is your ideal bonding adhesive for adhering membranes in VOC-regulated areas.

- Compatible with EPDM and TPO membranes
- Compliant with Ozone Transport Commission (OTC) regulations

This solvent-based formulation can be applied as low as 20°F, making it a great cold-weather product.

**EPDM BONDING ADHESIVE BA-2024(T)**

**HISTORY OF PROVEN PERFORMANCE**

This solvent-based contact adhesive is designed specifically for bonding Firestone RubberGard™ EPDM membranes and flashings to approved substrates—and it has a long-standing history of success. It is formulated with a wide application window, making it easy to install. If the job is exempt from VOC regulations, this is your cost-effective solution for adhering RubberGard™ EPDM membranes.

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*See TIS sheet for installation details.
Consult brochure, see FirestoneBP.com/warranty for details.
†According to lab testing.
**PRIMER**

**SINGLE-PLY LVOC PRIMER**

**LONG-TERM BOND STRENGTH SOLUTION**

When it is time to prepare your membrane for seam tape, use Firestone Single-Ply LVOC Primer. This solvent-based primer is designed to clean and prepare either RubberGard™ EPDM or UltraPly™ TPO membranes to receive QuickSeam™ tape products.

It has been extensively tested and proven to provide superior adhesion while complying with current VOC regulations. Its formula ensures excellent initial and long-term bond strength while flashing off much more quickly than the QuickPrime™ LVOC Primer (and a major competitor’s LVOC primer), especially in cold temperatures.

**QUICKPRIME™ PLUS & QUICKPRIME™ PLUS LVOC**

Specially formulated primers for black RubberGard™ EPDM membranes, including EPDM LSFR standard, FullForce™, Platinum™ and MAX prior to application of QuickSeam products.

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**EPDM MEMBRANE OPTIONS**

<table>
<thead>
<tr>
<th>TYPE</th>
<th>THICKNESS</th>
<th>SIZES</th>
<th>AVAILABLE CONFIGURATIONS</th>
<th>APPLICATION METHOD</th>
</tr>
</thead>
<tbody>
<tr>
<td>FullForce™ EPDM SA</td>
<td>60 mil</td>
<td>10’ x 100’</td>
<td>Additional configurations coming soon</td>
<td>Fully Adhered</td>
</tr>
<tr>
<td>RubberGard™ PT</td>
<td>45, 60, 75 mil MAX (reinforced), 90 mil Platinum</td>
<td>Up to 30’ wide Up to 100’ long</td>
<td>MAX Reinforced EcoWhite™</td>
<td>Fully Adhered, Mechanically Attached, Ballasted</td>
</tr>
<tr>
<td>RubberGard™ LSFR</td>
<td>45, 60, 90 mil Platinum</td>
<td>Up to 50’ wide Up to 200’ long</td>
<td>FullForce™, 3” PT, 6” PT, EcoWhite™, MAX Reinforced, FR (higher flame retardance)</td>
<td>Fully Adhered, Mechanically Attached, Ballasted</td>
</tr>
<tr>
<td>RubberGard™ EcoWhite</td>
<td>60 mil, 90 mil Platinum</td>
<td>Up to 30’ wide Up to 100’ long</td>
<td>3” PT, 6” PT</td>
<td>Fully Adhered</td>
</tr>
<tr>
<td>RubberGard™ MAX (Reinforced)</td>
<td>45, 60, 75 mil</td>
<td>Up to 10’ wide Up to 100’ long</td>
<td>3” PT, 6” PT, FR (higher flame retardance)</td>
<td>Fully Adhered, Mechanically Attached, Ballasted</td>
</tr>
<tr>
<td>RubberGard™ FR (higher flame retardance)</td>
<td>45, 60 mil</td>
<td>Up to 30’ wide Up to 200’ long</td>
<td>MAX Reinforced</td>
<td>Fully Adhered, Mechanically Attached, Ballasted</td>
</tr>
</tbody>
</table>

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