

# **RPI ROYAL EDGE EPDM MATERIAL GLOSSARY & GUIDE**

## **Product System Identifier Logos**

Royal Edge EPDM (black)

Re-Flex EPDM (white)

Re-Flex TPO (white)

## **Multi-System Products:**

Products that can be used in more than one system will carry the Logo for each system.

## **ROYAL EDGE EPDM: SYNTHETIC RUBBER (ethylene propylene diene monomer)**

Color: Black

Cured field membrane used for waterproofing sidewalls, flat and low sloped roofs. Available in two thicknesses: .045 mil and .060 mil

Available in 10', 20', 30', 40', and 50' widths, and 25', 50', 100', and 200' lengths. Approximate weights: 35 lbs. per 100 sq. ft. for .045 mil and 38 lbs. per 100 sq. ft. for .060 mil.

## **ROYAL EDGE UNCURED EPDM FLASHING**

Color: Black

Moldable uncured EPDM membrane used for flashing details, protrusions, T-Patches, and field seams incorporating angle changes. Available in 6" 12" and 18" widths, and 50' and 100' lengths. When used without tape backing, use Membrane Cleaner and Splice Adhesive with application.

## **ROYAL EDGE UNCURED EPDM FLASHING WITH TAPE**

Color: Black

Moldable uncured EPDM membrane with tape backing used for flashing details, protrusions, T-Patches, and field seams incorporating angle changes. Available in 6" and 12" widths, and 50' and 100' lengths. Use RPI Scrub Pad and Royal Edge Seam Tape Primer in application.

### ROYAL EDGE BONDING ADHESIVE: (solvent based contact adhesive)

#### **Used in Royal Edge EPDM and Re-Flex EPDM Systems.**

Color: Amber/Gold

Used to adhere EPDM membrane to insulations, plywood, OSB, concrete, and block or brick. Check with manufacturer for compatibility of material with adhesive. Solvent-based adhesive comes in 1 or 5 gallon pails. Average coverage is 60 sq. ft. per gallon. Coverage may increase/decrease depending on the porosity of the substrate. Adhesive is applied to both surfaces and allowed to “flash-off” (dry), before mating surfaces together.

### ROYAL EDGE LOW VOC BONDING ADHESIVE: (solvent based low voc contact adhesive)\* meets OTC (Ozone Transport Commission) VOC emission restriction requirements.

#### **Used in Royal Edge EPDM, Re-Flex TPO, and Re-Flex EPDM Systems.**

Color: Amber/Gold

A low VOC solvent adhesive used to adhere EPDM/TPO membrane to insulations, plywood, OSB, concrete, and block or brick. Check with manufacturer for compatibility of material with adhesive. Solvent-based adhesive comes in 1 or 5 gallon pails. Average coverage is 60 sq. ft. per gallon.

Coverage may increase/decrease depending on the porosity of the substrate. Adhesive is applied to both surfaces and allowed to “flash-off” (dry), before mating surfaces together

### ROYAL EDGE BONDING ADHESIVE: (Water-Based)

#### **Used in Royal Edge EPDM and Re-Flex EPDM Systems.**

Color: White

Environmentally friendly water based adhesive. Used to adhere EPDM membrane to insulations, plywood, OSB, concrete and other low slope surfaces. May be installed “wet”, (single surface), or “dry”, (applied to both surfaces and allowed to “flash-off” (dry). Adhesive is white when wet, and turns clear when dry. Approximate coverage 100-120 sq. ft. per gallon depending on porosity of substrate.

### ROYAL EDGE SPLICE ADHESIVE: (rubber to rubber adhesive, adhesive)

Color: Black

Used when adhering one membrane to another, cured or uncured, (i.e. field seams, flashing details). Approximate coverage: 125 sq.ft. per gallon. Membrane surfaces must be cleaned with Membrane Cleaner before applying Splice Adhesive.

### MEMBRANE CLEANER: (Splice Wash)

#### **Used in Royal Edge EPDM and Re-Flex EPDM Systems.**

Color: Clear

Used to clean EPDM surfaces before seaming with Splice Adhesive or Seam Tape. Also used to clean Metal Drip Edge prior to installing Cover Strip or Cover Tape.

## ROYAL EDGE CURED COVER STRIPS

Color: Black

Strips of cured EPDM membrane used to cover cuts in the field membrane or exposed fasteners attaching metal drip edge. Available in 6" x 100' and 12" x 50' rolls.

## ROYAL EDGE COVER TAPE

Color: Black

Semi-cured EPDM membrane laminated to Seam Tape. Used to flash in metal drip edge and other single plane (angle) flashings. Available in 5" x 100' rolls.

## ROYAL EDGE SEAM TAPE

Color: Black

A butyl tape used to create a seam by adhering one membrane to another in lieu of using Splice Adhesive. Available in 3", 4", and 7" x 100' rolls. NOTE: Royal Edge Seam Tape Primer must be used before applying Seam Tape.

## ROYAL EDGE SEAM TAPE PRIMER

Color: Black

Solvent-based primer applied to clean membrane prior to installing Seam Tape or Tape Backed Cured or Uncured membrane. Apply with RPI Scrub Pad. Available in 1 gallon and 5 gallon pails. Coverage~200 sq .ft. per gallon.

## SCRUB PAD

**Used in all Royal Edge EPDM, Re-Flex EPDM, and Re-Flex TPO Systems.**

A porous scrub pad laminated to a plastic handle. Used to apply Seam Tape Primer.

## TERMINATION BAR

**Used in all RPI Royal Edge and Re-Flex Membrane Systems**

Ten-foot length of aluminum bar with holes 6" OC, used to mechanically secure membrane at walls, curbs, chimneys, etc. May be used in lieu of metal drip edge on certain fascias (metal, vinyl). NOTE: All holes in Termination Bar must be filled with appropriate fasteners.

## ROYAL EDGE PIPE BOOT

Color: Black

Multi-size (1" to 7" diameter) pre-molded EPDM boot used to flash pipes. Available with or without tape backing applied to the bottom flange. Pipe Boot should be terminated at top with stainless steel Pipe Boot Clamp.

## ROYAL EDGE LAP CAULK: (paste sealant)

Color: Black

Used to caulk exposed edges of seams, edges of uncured EPDM flashings, top of Termination Bar and top of Pipe Boot clamps. Available in black and white. Approximate coverage ~ 25 ft. per 10.3 oz. Cartridge.

NOTE: Does not have to be used on field seams/flashings utilizing seam tapes.

## WATER CUT-OFF MASTIC

**Used in all RPI Royal Edge EPDM, Re-Flex TPO, and Re-Flex EPDM Systems.**

Color: Grey

Water Cut-Off Mastic serves as a compression gasket preventing contaminants from accessing the roof system where the membrane has been mechanically terminated. Water Cut-Off Mastic is applied between substrate and membrane prior to installing Termination Bar. Also applied between a pipe and boot at top of Pipe Boot prior to installing the Pipe Boot Clamp, and between the membrane and drain prior to installing the drain clamping ring. Also used as a temporary overnight sealant or water-stop. Coverage per 10.3 oz. tube~20 ft.

## ONE-WAY VENTS

**Used in all Royal Edge EPDM, Re-Flex EPDM, and Re-Flex TPO Systems.**

Installed to help release entrapped moisture in existing roof systems and aid in equalizing pressure within the system.

## WALKWAY PADS

Color: Black

Cured pads of EPDM used for protection of the field sheet where heavy traffic is anticipated. Available in 30" x 30" with tape. Pad thickness~3/8". Use Seam Tape Primer.

## ROYAL EDGE PRE-MOLDED INSIDE CORNERS

Color: Black

Cured EPDM pre-molded inside corners for new construction installation using Membrane Cleaner and Splice Adhesive. Pre-molded Inside Corners should only be used on new construction or tear-off installations where the angle changes are square.

## ROYAL EDGE PRE-MOLDED OUTSIDE CORNERS

Color: Black

Cured EPDM pre-molded outside angle corners for new construction installation using Membrane Cleaner and Splice Adhesive. Pre-molded Outside Corners should only be used on new construction or tear-off installations where the angle changes are square.

## RPI RE-FLEX EPDM (white) COLOR LOGO

### RE-FLEX EPDM: SYNTHETIC RUBBER (ethylene propylene diene monomer)

Color: White

Cured bi-laminate field membrane used for flat and low sloped roofs. Available in two thicknesses: .045 mil and .060 mil

Available in 10', 16' widths, and 50', 100' lengths. Approximate weights: 35 lbs. per 100 sq. ft. for .045 mil and 38 lbs. per 100 sq. ft. for .060 mil.

### RE-FLEX UNCURED FLASHING WITH TAPE

*Used in Re-Flex EPDM and Re-Flex TPO Systems.*

Color: White

Moldable uncured EPDM membrane with tape backing used for flashing details, protrusions, T-Patches, and field seams incorporating angle changes. Available in 6" and 12" widths, and 25' and 50' lengths. Use RPI Scrub Pad and Re-Flex Seam Tape Primer/Activator in application.

### ROYAL EDGE EPDM BONDING ADHESIVE: (solvent based contact adhesive)

*Used in Royal Edge EPDM and Re-Flex EPDM Systems.*

Color: Amber/Gold

Used to adhere EPDM membrane to insulations, plywood, OSB, concrete, and block or brick.

Check with manufacturer for compatibility of material with adhesive. Solvent-based adhesive comes in 1 or 5 gallon pails. Average coverage is 60 sq. ft. per gallon.

Coverage may increase/decrease depending on the porosity of the substrate. Adhesive is applied to both surfaces and allowed to "flash-off" (dry), before mating surfaces together.

### ROYAL EDGE BONDING ADHESIVE: (Water-Based)

*Used in Royal Edge EPDM and Re-Flex EPDM Systems.*

Color: White

Used to adhere EPDM membrane to insulations, plywood, OSB, concrete and other low slope surfaces. May be installed "wet", (single surface), or "dry", (applied to both surfaces and allowed to "flash-off" (dry). Adhesive is white when wet, and turns clear when dry.

### MEMBRANE CLEANER: (Splice Wash)

*Used in Royal Edge EPDM and Re-Flex EPDM Systems.*

Color: Clear

Used to clean EPDM surfaces before seaming with Splice Adhesive or Re-Flex Seam Tape Prime/Activator. Also used to clean Metal Drip Edge prior to installing Cover Strip or Cover Tape.

## RE-FLEX EPDM COVER TAPE

Color: White

Cured EPDM membrane laminated to Seam Tape. Used to flash in metal drip edge and other single plane (angle) flashings. Available in 6" x 100' rolls.

## RE-FLEX SEAM TAPE

**Used in Re-Flex EPDM and Re-Flex TPO Systems.**

Color: White

A butyl tape used to create a seam by adhering one membrane to another in lieu of using Splice Adhesive. Available in 3", 4", and 7" x 100' rolls. NOTE: Re-Flex Seam Tape Primer/Activator must be used before applying Re-Flex Seam Tape.

## RE-FLEX SEAM TAPE PRIMER/ACTIVATOR

**Used in Re-Flex EPDM and Re-Flex TPO Systems.**

Color: Translucent

Solvent-based primer applied to clean membrane prior to installing Re-Flex Seam Tape or Tape Backed Cured or Uncured membrane. Apply with RPI Scrub Pad. Available in 1 gallon and 5 gallon pails. Coverage~200 sq .ft. per gallon.

## RE-FLEX EPDM PIPE BOOT WITH TAPE

**Used in Re-Flex EPDM and Re-Flex TPO Systems.**

Color: White

Multi-size (1" to 7" diameter) pre-molded EPDM boot used to flash pipes. Available with or without tape backing applied to the bottom flange. Pipe Boot should be terminated at top with stainless steel Pipe Boot Clamp.

## SCRUB PAD

**Used in Royal Edge EPDM, Re-Flex EPDM, and Re-Flex TPO Systems.**

A porous scrub pad laminated to a plastic handle. Used to apply Seam Tape Primer/Activator.

## TERMINATION BAR

Ten-foot length of aluminum bar with holes 6" OC, used to mechanically secure membrane at walls, curbs, chimneys, etc. May be used in lieu of metal drip edge on certain fascias (metal, vinyl). NOTE: All holes in Termination Bar must be filled with appropriate fasteners.

## RE-FLEX LAP CAULK: (paste sealant)

### *Used in Re-Flex TPO and Re-Flex EPDM Systems.*

Color: White

Used to caulk exposed edges of seams, edges of uncured Re-Flex EPDM and Re-Flex TPO flashings, top of Termination Bar and top of Pipe Boot clamps. Approximate coverage ~ 22 ft. per 10.3 oz. Cartridge.

NOTE: Does not have to be used on field seams/flashings utilizing seam tapes.

## WATER CUT-OFF MASTIC

### *Used in Royal Edge EPDM, Re-Flex TPO, and Re-Flex EPDM Systems.*

Color: Grey

Water Cut-Off Mastic serves as a compression gasket preventing contaminants from accessing the roof system where the membrane has been mechanically terminated. Water Cut-Off Mastic is applied between substrate and membrane prior to installing Termination Bar. Also applied between a pipe and boot at top of Pipe Boot prior to installing the Pipe Boot Clamp, and between the membrane and drain prior to installing the drain clamping ring. Also used as a temporary overnight sealant or water-stop. Coverage per 10.3 oz. tube~20 ft.

## ONE-WAY VENTS

Installed to help release entrapped moisture in existing roof systems and aid in equalizing pressure within the system.

## WALKWAY PADS

Color: Black

Cured pads of EPDM used for protection of the field sheet where heavy traffic is anticipated. Available in 30" x 30" with tape. Pad thickness~3/8". Use Seam Tape Primer.

## PRE-MOLDED INSIDE CORNERS

Color: Black

Cured EPDM pre-molded inside corners for new construction installation using Membrane Cleaner and Splice Adhesive. Pre-molded Inside Corners should only be used on new construction or tear-off installations where the angle changes are square.

## PRE-MOLDED OUTSIDE CORNERS

Color: Black

Cured EPDM pre-molded outside angle corners for new construction installation using Membrane Cleaner and Splice Adhesive. Pre-molded Outside Corners should only be used on new construction or tear-off installations where the angle changes are square.

## RPI RE-FLEX TPO (white) COLOR LOGO

### RE-FLEX TPO: THERMOPLASTIC (thermoplastic polyolefin)

Color: White

Thermoplastic field membrane used for flat and low sloped roofs. Available in two thicknesses: .045 mil and .060 mil

Available in 5,10' widths, and 50', 100' lengths. Approximate weights: 35 lbs. per 100 sq. ft. for .045 mil and 38 lbs. per 100 sq. ft. for .060 mil.

### RE-FLEX TPO UNCURED FLASHING WITH TAPE

**Used in Re-Flex EPDM and Re-Flex TPO Systems.**

Color: White

Moldable uncured EPDM membrane with tape backing used for flashing details, protrusions, T-Patches, and field seams incorporating angle changes. Available in 6" and 12" widths, and 25' and 50' lengths. Use RPI Scrub Pad and Re-Flex Seam Tape Primer/Activator in application.

### RE-FLEX TPO BONDING ADHESIVE: (solvent based contact adhesive)

**Used in Royal Edge TPO and Re-Flex EPDM Systems.**

Color: Amber/Gold

Used to adhere membrane to insulations, plywood, OSB, concrete, and block or brick. Check with manufacturer for compatibility of material with adhesive. Solvent-based adhesive comes in 1 or 5 gallon pails. Average coverage is 60 sq. ft. per gallon.

Coverage may increase/decrease depending on the porosity of the substrate. Adhesive is applied to both surfaces and allowed to "flash-off" (dry), before mating surfaces together.

**ROYAL EDGE LOW VOC BONDING ADHESIVE: (solvent based low voc contact adhesive)\*** meets OTC (Ozone Transport Commission) VOC emission restriction requirements.

**Used in Royal Edge EPDM, Re-Flex TPO, and Re-Flex EPDM Systems.**

Color: Amber/Gold

A low VOC solvent adhesive used to adhere EPDM/TPO membrane to insulations, plywood, OSB, concrete, and block or brick. Check with manufacturer for compatibility of material with adhesive. Solvent-based adhesive comes in 1 or 5 gallon pails. Average coverage is 60 sq. ft. per gallon.

Coverage may increase/decrease depending on the porosity of the substrate. Adhesive is applied to both surfaces and allowed to "flash-off" (dry), before mating surfaces together



## **ROYAL EDGE BONDING ADHESIVE: (Water-Based)**

**Used in Royal Edge EPDM, Re-flex TPO and Re-Flex EPDM Systems.**

Color: White

Used to adhere membrane to insulations, plywood, OSB, concrete and other low slope surfaces. May be installed “wet”, (single surface), or “dry”, (applied to both surfaces and allowed to “flash-off” (dry). Adhesive is white when wet, and turns clear when dry.

## **MEMBRANE CLEANER: (Splice Wash)**

**Used in Royal Edge EPDM and Re-Flex EPDM Systems.**

Color: Clear

Used to clean membrane surfaces before seaming with Splice Adhesive or Re-Flex Seam Tape Primer/Activator. Also used to clean Metal Drip Edge prior to installing Cover Strip or Cover Tape.

## **RE-FLEX TPO COVER TAPE**

Color: White

TPO membrane laminated to Seam Tape. Used to flash in metal drip edge, repair cuts and other single plane (angle) flashings. Available in 6" x 100' rolls.

## **RE-FLEX SEAM TAPE**

**Used in Re-Flex EPDM and Re-Flex TPO Systems.**

Color: White

A butyl tape used to create a seam by adhering one membrane to another in lieu of using Splice Adhesive. Available in 3", 4", and 7" x 100' rolls. NOTE: Re-Flex Seam Tape Primer/Activator must be used before applying Re-Flex Seam Tape.

## **RE-FLEX SEAM TAPE PRIMER/ACTIVATOR**

**Used in Re-Flex EPDM and Re-Flex TPO Systems.**

Color: Translucent

Solvent-based primer applied to clean membrane prior to installing Re-Flex Seam Tape, Tape Backed Cured or Uncured membrane. Apply with RPI Scrub Pad. Available in 1 gallon and 5 gallon pails. Coverage~200 sq .ft. per gallon.

## **RE-FLEX TPO OUTSIDE CORNER WITH TAPE**

**Used in Re-Flex TPO and Re-Flex EPDM Systems.**

Preformed unreinforced TPO outside corner with laminated Re-Flex Tape. Installed on outside corner flashing details. NOTE: Re-Flex Seam Tape Primer/Activator must be used before applying Re-Flex Tape products.

## SCRUB PAD

**Used in Royal Edge EPDM, Re-Flex EPDM, and Re-Flex TPO Systems.**

A porous scrub pad laminated to a plastic handle. Used to apply Seam Tape Primer/Activator.

## TERMINATION BAR

Ten-foot length of aluminum bar with holes 6" OC, used to mechanically secure membrane at walls, curbs, chimneys, etc. May be used in lieu of metal drip edge on certain fascias (metal, vinyl). NOTE: All holes in Termination Bar must be filled with appropriate fasteners.

## RE-FLEX TPO PIPE BOOT WITH TAPE

**Used in Re-Flex EPDM and Re-Flex TPO Systems.**

Color: White

Multi-size (1" to 7" diameter) pre-molded EPDM boot used to flash pipes. Available with or without tape backing applied to the bottom flange. Pipe Boot should be terminated at top with stainless steel Pipe Boot Clamp.

## RE-FLEX TPO HEAT WELD ACCESSORIES

Heat weldable flashing accessories are available for all Re-Flex details

## UNREINFORCED TPO FLASHING HW

## RE-FLEX TPO PIPE BOOT HW

## OUTSIDE CORNER HW

## INSIDE CORNER HW

## CUT-EDGE SEALANT