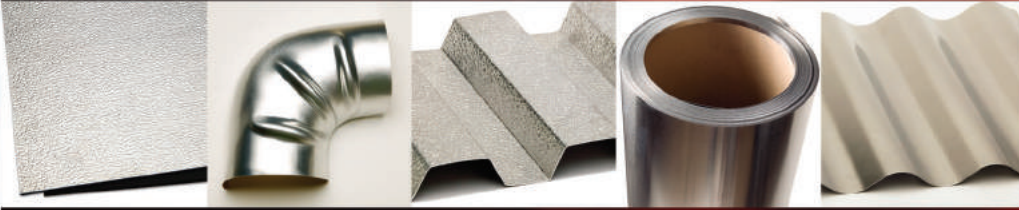
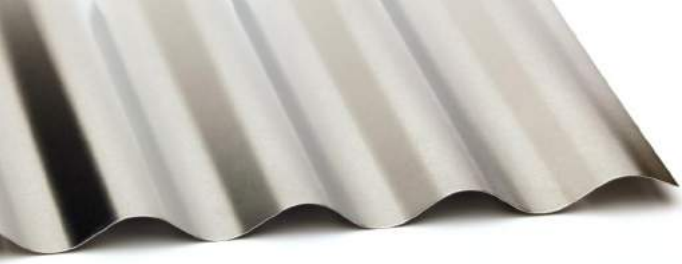




**RPR Products, Inc.**



*Metal Jacketing Specialists*



## **RPR Insul-Mate® Sheet and Roll Jacketing**

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### **ALUMINUM PRODUCTS**

Rolled Jacketing – Sheeting (Flat and Corrugated) – Cut to Length – Cut & Rolled

Width/Length: 36" and 48" wide – 100', 50' and cut to length (thicker gauges supplied in 50' rolls)

Thicknesses: .016", .020", .024", .032", .040", and .050" (other thicknesses available upon request)

Finishes: Smooth - Stucco Embossed - 3/16" Corrugated (not available in all thicknesses)

Coatings: Acrylic – Polyester- Kynar – (available in a variety of standard stock colors, other colors available upon request) DuPont Tedlar\*\* PVF - a corrosion resistant film laminated to metal (not available in all thicknesses).

Retarders: Moisture retarders are available in a standard Polykraft or Polysurlyn\*. Coated aluminum products are supplied with a Polysurlyn Moisture Retarder. For extra protection a "HP" Polysurlyn is available on coated aluminum.

### **STAINLESS STEEL PRODUCTS (T304 AND T316)**

Rolled Jacketing – Sheeting (Flat and Corrugated) – Cut to Length – Cut & Rolled

Width/Length: 36" and 48" wide – 50' rolls and cut to length

Thicknesses: .010" (36" wide only), .016", .020", .024" and .032" (other thicknesses available upon request)

Finishes: Smooth - Stucco Embossed - 3/16" Corrugated (not available in all thicknesses)

Coatings: Polyester or Kynar – (special order available upon request, minimums apply) DuPont Tedlar PVF – a corrosion resistant film laminated to metal.

Retarders: Moisture retarders are available in a standard Polykraft, Polysurlyn, or "HP" Polysurlyn (Note: coated stainless products are supplied with Polysurlyn Moisture Retarder)





## **GALVALUME PLUS AZ-60**

Rolled Jacketing – Sheeting (Flat and Corrugated) – Cut to Length – Cut & Rolled

Width/Length: 36" wide – 50' rolls and cut to length

Thicknesses: .016", .020", .024" and .032"

Finishes: Smooth - Stucco Embossed (not available in all thicknesses)

Coatings: Polyester or Kynar – (special order available upon request, minimums apply)

Retarders: Available with a Polysurlyn Moisture Retarder

(Note: coated steel products are supplied with Polysurlyn Moisture Retarder.)

## **GALVANIZED**

Rolled Jacketing – Sheeting (Flat and Corrugated) – Cut to Length – Cut & Rolled

Width/Length: 36" and 48" wide – 50' rolls and cut to length

Thicknesses: 30 ga, 28 ga, 26 ga and 24 ga (other gauges available on request)

Finishes: Smooth - Stucco Embossed (not available in all thicknesses)

Coatings: Polyester or Kynar – (special order available upon request, minimums apply)

Retarders: Moisture retarders are available in a standard Polykraft, Polysurlyn, or "HP" Polysurlyn.

(Note: coated steel products are supplied with Polysurlyn Moisture Retarder.)

\* Surlyn is a DuPont trademark. \*\* Tedlar is a DuPont trademark.





## RPR Insul-Mate® Industrial Sheeting

### INSUL-BOX ALUMINUM SIDING

Insul-Box is formed to yield a continuous pattern of 9/16" high ribs on 2.67" centers and engineered for maximum structural stiffness. Siding is specifically designed with a full under lapping support leg, allowing for better alignment, reduced gapping and added protection against wind-blown rain.

Alloy:	3105
Finish:	Diamond Embossed
Thickness:	.021
Widths:	51" (48" Coverage)
Lengths:	3' to 30'

### DEEP CORRUGATED SHEETS

Profiled in 2.67" or 1 1/4", RPR's corrugated sheets are a popular choice on most siding applications. The 2.67" corrugated is formed to yield a continuous pattern choice of 1/2", 5/8" or 7/8" ribs on 2.67" centers. The 1 1/4" corrugated is formed to yield a continuous pattern of 1/4" ribs on 1 1/4" centers. Both profiles are produced to a standard profile with both longitudinal edges of the sheet formed down, allowing the sheet to be installed without alternating the ends of the sheet. A siding sheet can be used for roofing by lapping two corrugations.

Alloys:	Aluminum, Stainless Steel, Galvalume and Galvanized
Finishes:	Smooth or Stucco Embossed
Thicknesses:	Aluminum - .016, .020, .024, .032, .040 and .050 Stainless Steel - .010, .016, .020, .024, .032 Galvalume (AZ-60) - .016(28ga), .020(26ga), .024(24ga), .032(22ga) Galvanized - 30ga, 26ga, 24ga (others available upon request)
Widths:	2.67" - 27 1/2" through 51" 1 1/4" - 27 1/2" through 33"
Lengths:	2.67" - 3' through 30" 1 1/4" - 3' though 12' 3"
Coatings:	A variety of painted material available in standard stock gauges and colors (consult color chart). Special colors available upon request (minimums apply)





## 4 INCH BOX RIB

Well known for its strength and performance, 4" box rib has become one of the most widely used profiles in the industry. Formed to yield a continuous pattern of 1" high ribs on 4" centers and engineered for maximum structural stiffness makes this a popular choice for industrial applications. A stucco emboss finish is added for appearance and added rigid strength.

Alloys:	3004/7072 Alclad*** and 3105 Non-Alclad (Stainless Steel, Galvalume and Galvanized are available upon request)
Finish:	Stucco Embossed
Thicknesses:	Aluminum - .024 (38 1/2" wide only), .032, .040 and .050 (Stainless Steel, Galvalume and Galvanized, inquire)
Widths:	38 1/2" (36" coverage) 45 5/8" (44" coverage)
Lengths:	3' to 30'
Coatings:	Painted material available upon request (minimums apply)

## 7.2" EPBL RIB

Another popular choice, the 7.2" EPBL Rib is a larger, stronger version of the 4" Box Rib. Formed to yield a continuous pattern of 1 1/2" high ribs on 7.2" centers and engineered with an extended purlin bearing leg, makes it one of the strongest profiles available in the industry. A stucco embossed pattern is added for appearance and added rigid strength.

Alloys:	3004/7072 Alclad* and 3105 Non-Alclad (Stainless Steel, Galvalume and Galvanized are available upon request)
Finish:	Stucco Embossed
Thicknesses:	Aluminum - .032, .040 and .050 (Stainless Steel, Galvalume and Galvanized, inquire)
Width:	41 1/2" (36" coverage)
Lengths:	3' to 30'
Coatings:	Painted material available upon request (minimums apply)

\*\*\*Alclad aluminum is a composite material formed by a metallurgical bonding process. 7072 alloy aluminum is applied to both sides of a 3004 alloy core. This process is designed for superior corrosion resistance.





## RPR Insul-Mate® Two Piece Elbow Covers

### ALUMINUM

- Thicknesses: .024", 1100 alloy, 0 temper
- Finish: Smooth
- Coating: Baked on epoxy paint on the inside to resist electrolytic decomposition and a clear polyester on the outside to resist oxidation.
- Optional: Powder coated elbows available in a variety of standard stock colors.
- Sizing: 90° and 45° elbows range from ½" to 18" OD's  
Multimate® elbows range from ½" to 10" OD's

### STAINLESS STEEL T316

- Thicknesses: .016"
- Finishes: Smooth
- Optional: Powder coated elbows available in a variety of standard stock colors.
- Sizing: 90° and 45° elbows range from ½" to 10" OD's

## RPR Insul-Mate® Two Piece Tees

### ALUMINUM

- Thicknesses: .024", 1100 alloy, 0 temper
- Finishes: Smooth
- Coated: Baked on epoxy paint on the inside to resist electrolytic decomposition and a clear acrylic on the outside to resist oxidation.
- Optional: Powder coated Tees available in a variety of standard stock colors.
- Sizes: Tees range from ½" to 7" OD's





## RPR Insul-Mate® Fastening Devices and Accessories

### STRAPPING

RPR strapping is slit in house through a quality control process which produces a superior product. All strapping is edge conditioned eliminating sharp edges. Product is available in coil form or convenient pre-fabricated cut to length straps with attached seals.

Thicknesses: .015 and .020  
Widths: 3/8", 1/2", 3/4"  
Alloys: Aluminum, Stainless Steel (T304, T316) and Galvanized  
Packaging: 200' (.020 only), Ribbon Wound, Oscillated in most thicknesses, other thicknesses available upon request, minimums apply. Pre-fabricated straps are produced to your specifications.



### WING SEALS

RPR wing seals are precision made in house for exact fit and easy application.

Sizes: 3/8", 1/2" and 3/4"  
Alloys: Aluminum, Stainless Steel (T304, T316) and Galvanized  
Packaging: 1000 per box (sold in box quantities only)



### SCREWS

RPR stocks a variety of screws to fit most applications.

Types: Pan Head, Hex Head – Self Drillers, Self Tappers and Mult-Tek. Other specialty screws available upon request.

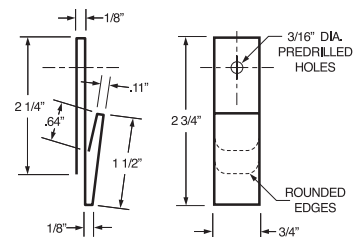


### WIRE

Alloys: T304 Stainless Steel and T316 (.0475 and .0625)  
Thicknesses: 18ga (.0475), 16ga (.0625) and 14ga (.080)  
Sizes: 5# Coils (.0475 and .062) and 25# Rolls

### CLIPS

Alloys: T304 and T316 Stainless Steel  
Type: S & J Clips  
Non-standard fastening devices are available upon request.





## RPR Insul-Mate® Insul-Springs, ES-7 Tank Expansion Springs and Compression Springs

### INSUL-SPRINGS

RPR offers a flat spring that, when attached to banding, allows for expansion on large vessels, pipes and tanks. Insul-Springs are available in 4" lengths. Insul-Springs are manufactured from T-302 Stainless Steel.


Thickness: 3/4"  
Width: 13/16"  
Length: 4 3/8"

### ES-7 TANK SPRINGS

Insul-Mate ES-7 Tank Expansion Springs are T302 Stainless Steel heavy duty twin circular spring sets attached on each end by a flat slotted plate. ES-7 springs allow for predictable expansion and contraction of tanks, vessels, ducts, heat exchangers and other equipment. They are designed to be utilized with .020 or .025 thick strapping. Closed crimped seals are recommended for maximum performance.

Diameter: Wire - .103" OD, Spring - .695" OD  
Length: Springs - 4.80", total assembled spring 7"

### CS-6 COMPRESSION



RPR manufactures the CS-6 Compression Spring from T-302/304 stainless steel. The springs are engineered to provide 80 lbs/inch of compression when installed in conjunction with 3/4", .020 or heavier, stainless steel strapping. They are engineered to be used every 25 feet on the circumference of a vessel.

Diameter: Wire - .125" OD, Spring - .935" OD

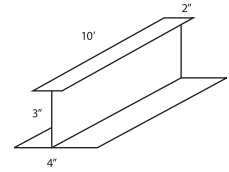
### CS6 SUPER COMPRESSION

RPR manufactures the CS-6 Super Compression Spring from T-302/304 stainless steel. The springs are engineered to provide 300 lbs/inch of compression. The .0625 stainless steel plate attached base can accommodate larger size strapping.

Diameter: Wire - .162" OD, Spring - .935" OD





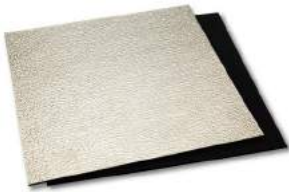


RPR - H - SECTION

## RPR Insul-Mate® Support Steel

RPR Products, Inc. offers a complete line of support steel (channel, angle, Z-bar, H-bar, J-bar, hat channel and others) to be used on duct work or boilers and in the erection of various profiled sheets for tank or vessel jacketing. These shapes are fabricated to order in aluminized steel, galvanized steel, stainless steel and aluminum in specified gages.

## RPR Insul-Mate® Acoustical

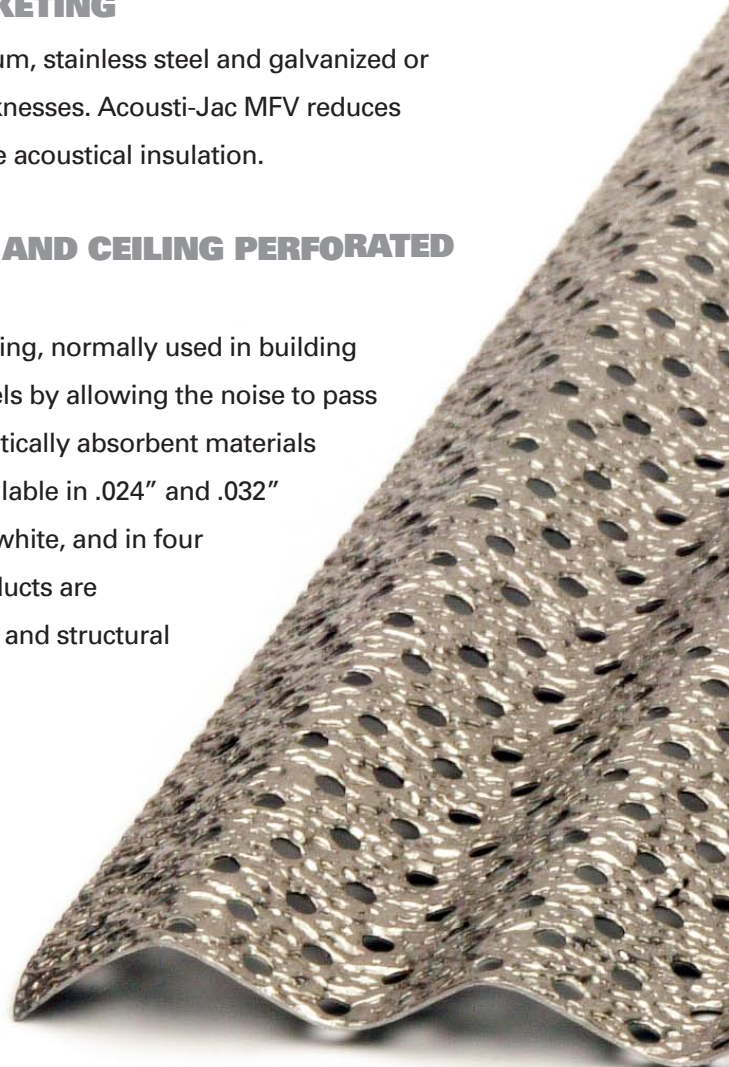


### RPR ACOUSTI-MATE® ACOUSTI-JAC MFV - ACOUSTICAL NOISE BARRIER METAL JACKETING

Mass filled vinyl is laminated to aluminum, stainless steel and galvanized or painted steel to customer specified thicknesses. Acousti-Jac MFV reduces industrial and piping noise with effective acoustical insulation.

### RPR ACOUSTI-MATE® - WALL AND CEILING PERFORATED METAL SHEETING

Wall and Ceiling Perforated Metal Sheeting, normally used in building interiors, reduces reverberant noise levels by allowing the noise to pass through the 13% open area to the acoustically absorbent materials behind it. The aluminum sheets are available in .024" and .032" thicknesses, plain mill finish or painted white, and in four distinctive profiles. Value added by-products are mechanical protection for the insulation and structural integrity for the insulated areas.



## **RPR Insul-Mate® Moisture Retarders**

Insul-Mate products are available with a moisture retarder, which consists of 40-pound kraft paper coated with 1 1/2 mil thick, low density polyethylene film, heat and pressure bonded to the interior surface of the sheet. The moisture retarder protects against galvanic corrosion caused by contact of dissimilar metals in the presence of moisture and chemical corrosion caused by installing sheets over damp insulation materials.

For increased galvanic and corrosion protection 3 mil Polysurlyn\* Moisture Retarders are available. For extreme conditions such as roof top refrigeration, Polysurlyn "HP" moisture retarder should be considered. "HP" moisture retarder is a nominal 4.5 mil thick film that is heat and pressure bonded to the interior of the jacketing across the width of the sheet.

### **Pre-painted Metals**

Insul-Mate painted sheets and jacketing are available from stock in a variety of standard colors (consult color chart). All colors are not available from stock in all gauges. Other colors are available upon request with minimum quantities being required in some instances.

## **RPR Insul-Mate® Coatings**

Coating systems typically used are:

**Polyesters** - a polymer coating based on the combination of poly-functional acids and alcohols. Polyester resins are generally cross linked with amino resins to form a thermosetting coating. The combination forms a proprietary composite polyester resin paint which has excellent resistance to U.V. degradation to prevent caulking and fading in severe environments. The coating is durable but flexible enough to be stucco embossed and easily takes a 1-T bend when formed.

**Acrylics** - a polymer composed of resins prepared from a combination of acrylic, methacrylic esters, methacrylic acids and styrene to form a thermosetting coating. The combination forms a durable coating which has excellent stain abrasion and mar resistance. Currently available in three standard colors (refer to color chart for colors available).

**Fluorocarbon** - a thermo plastic coating based on fluorocarbon resins made by the polymerization of vinyl fluoride monomer (PVF) or vinylidene fluoride monomer (PVF2).

\* Surlyn is a DuPont trademark.



For over 30 years RPR has been driven by providing the highest quality products and first class service to our global partnering clients. With our unique company culture, leadership and entrepreneurial spirit, we continually strive to provide strategic planning, opportunities and solutions to our customers' needs. We believe in the traditional values of honesty, fair play and a strong work ethic. We employ these standards on a daily basis as we work closely with valued customers in the global industrial insulation marketplace.



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