

Permabond® RS-3536 Tri-ply Series specially designed for chemical service, abrasion and chlorinated gas service. Built with a chlorobutyl first ply followed by a semi-hard graphite re-enforced center for maximum permeation resistance and a flexible soft natural ply for best rubber to metal bonding. The third ply's flexibility permits expansion and contracting with thermal variations of the metal substrate. Often used in applications such as Phosphoric Acid for it's low permeation physical properties.

PHYSICAL PROPERTIES

ASTM TEST	VALUE
Hardness (ASTM D2240)	60 +/- 5 Shore A
Tensile (ASTM D412)	1200 psi (min.)
Elongation (ASTM D412)	550% (min.)
Adhesion (ASTM D429)	30LBS (min.)
Tear (Die C)	NA
Service Temperature	212°F max. (100°C)
Specific Gravity	1.37

RESISTANCE TO

MATERIAL	VALUE
Abrasion, Sliding	Good
Abrasion, Impingement	Good
Acid (Diluted)	Excellent
Salt Solutions	Excellent
Oxygenated Solvents	Good
Acid (Concentrated)	Excellent
Animal & Vegetable Oils	Poor
Oil & Gasoline	Poor

ATMOSPHERIC AGING

MATERIAL	VALUE
Low Temperature Flexibility	Excellent
Moisture Resistance	Excellent
Compression Set	Good
Permeability	Excellent

STANDARD ROLL SIZES

GAUGE	WIDTH	LENGTH	AREA
1/8" (3mm)	4' (1.22m)	131.25' (40m)	525ft ² (48.77m ²)
3/16" (4mm)	4' (1.22m)	91.75' (27.96m)	367ft ² (34.05m ²)
1/4" (6mm)	4' (1.22m)	62.25' (18.97m)	249ft ² (23.13m ²)
3/8" (9mm)	4' (1.22m)	49.25' (15.01m)	197ft ² (18.30m ²)
1/2" (12mm)	4' (1.22m)	32.75' (9.98m)	131ft ² (12.17m ²)

Disclaimer: The above guidelines are based on general industry practices and not applicable to all installations. Application methods should comply with RubberSource application instructions. The data values use is an approximate value and may vary based on individual application methodology and local atmospheric conditions.

CURE METHOD UP TO 1/4" (6mm)

METHOD	TEMPERATURE & PRESSURE
Pressure Cure (Autoclave)	2 Hr @ 275°F (135°C)
Internal Pressure	1 Hr Rise to 250°F (121°C) Hold @ 250°F (121°C) for 6 Hrs
Atmospheric	24 Hrs @ 212°F (100°C)

ADHESIVE SYSTEM

COAT	ADHESIVE
1st Coat (Primer)	Chemlok 289
2nd Coat (Intermediate)	Chemlok 290
3rd Coat (Tack)	Chemlok 286
4th Coat (Tack)	Chemlok 286

TYPICAL APPLICATIONS

- Storage Vessels
- Thickeners/Clarifiers
- Evaporator
- Flotation Cells
- Transportation Tanks

APPLICATION NOTES

1. Make repairs with original lining and follow the specified cure methods.
2. Use Closed Skive for joint construction.
3. Curing times listed are guidelines only.
4. Storage: Store in cool and dry area.
5. Shelf Life: Stored below 50° F (10° C) = 180 days.
6. Contact your account representative for specific technical material and lining methodology recommendation.