

Permabond® RS-0555 Black Lead Cure Neoprene® (CR) Rubber a high polymer content Lead Cure Neoprene. Engineered with enhanced cut & chip abrasion resistance specifically designed for the Oilsands environment. The high polymer content increases the wear resistance and permeability while maintaining the excellent organics resistance.

PHYSICAL PROPERTIES

ASTM TEST	VALUE
Hardness (ASTM D2240)	50 +/- 5 Shore A
Tensile (ASTM D412)	3000 psi (min.)
Elongation (ASTM D412)	695% (min.)
Adhesion (ASTM D429)	25LBS (min.)
Tear (Die C)	260 Lbs/Lin. In.
Service Temperature	212°F max. (100°C)
Specific Gravity	1.37

RESISTANCE TO

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

ATMOSPHERIC AGING

MATERIAL	VALUE
Low Temperature Flexibility	Good
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 (21.13m 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)

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

METHOD	TEMPERATURE & PRESSURE
Pressure Cure (Autoclave)	2 Hr @ 250°F (121.1°C)
Internal Pressure	1 Hr Rise to 250°F (121°C) Hold @ 250°F (121°C) for 2 Hrs
Atmospheric	Not Recommended

ADHESIVE SYSTEM

COAT	ADHESIVE
1st Coat (Primer)	Chemlok 205
2nd Coat (Intermediate)	Chemlok 252
3rd Coat (Tack)	RS-CR184
4th Coat (Tack)	RS-CR184

TYPICAL APPLICATIONS

- Piping
- Storage Vessels
- Thickeners/Clarifiers
- Chutes

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.

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.