

**Permobond® RS-0575 Black Neoprene® (CR) Rubber** a high polymer content designed specifically for the Oilsands. The permeation resistance of the mineral, vegetable, and animal oils is also better than all other CR linings. RS-0575 has good resistance to paraffinic and naphthenic oils of higher molecular weight but swell extensively in aromatic oils of low molecular weight. RS-0575 has been fortified with the addition of higher levels of filler loading we have improved the crosslink giving it exceptional resistance to oils, abrasion, and swelling in aqueous solutions and slurries.

### PHYSICAL PROPERTIES

ASTM TEST	VALUE
Hardness (ASTM D2240)	60 +/- 5 Shore A
Tensile (ASTM D412)	3000 psi (min.)
Elongation (ASTM D412)	450% (min.)
Adhesion (ASTM D429)	25LBS (min.)
Tear (Die C)	229 Lbs/Lin. In.
Service Temperature	220°F max. (104.44°C)
Specific Gravity	1.43

### RESISTANCE TO

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

### 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 <sup>2</sup> (48.77m <sup>2</sup> )
3/16" (4mm)	4' (1.22m)	91.75' (27.96m)	367ft <sup>2</sup> (34.05m <sup>2</sup> )
1/4" (6mm)	4' (1.22m)	62.25' (18.97m)	249ft <sup>2</sup> (23.13m <sup>2</sup> )
3/8" (9mm)	4' (1.22m)	49.25' (15.01m)	197ft <sup>2</sup> (18.30m <sup>2</sup> )
1/2" (12mm)	4' (1.22m)	32.75' (9.98m)	131ft <sup>2</sup> (12.17m <sup>2</sup> )

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

METHOD	TEMPERATURE
Pressure Cure (Autoclave)	2 Hr @ 250°F (121.1°C)
	1 Hr Rise to 250°F (121°C)
Internal Pressure	Hold @ 250°F (121°C) for 8 Hrs
Atmospheric	Not Recommended

### ADHESIVE SYSTEM

COAT	ADHESIVE
1st Coat (Primer)	Chemlok 205
2nd Coat (Intermediate)	Chemlok 220
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. Shelf Life: Stored below 50°F (10°C) = 180 days.
5. Pre-warm rubber on warm table approximately to 120°F (49°C) before use.
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.