



# CUSTOM | Engineered Elastomeric Linings **SR960**

## LINING DATA SHEET

- ▽ **Type:** Neoprene™ (Black)
- ▽ **Tie Gum:** Without Tie Gum
- ▽ **Properties:** Durometer 60+/- 5 Shore A - 100% Neoprene™ soft, black rubber lining, without Tie gum with good abrasion, self-extinguishing, weathering, corrosion and oil resistance. Good machining characteristics.

### Primers and Adhesive System:

- (1) coat Chemlok® 289 on Metal
- (1) coat Chemlok® 290 on Metal
- (1) coat SRCE944CR on Metal
- (1) coat SRCE944CR on Lining

Follow Lord® adhesive recommended procedures for mixing and set time.  
 Seams and Cap use **SRCE944CR** Qwik-Tac.  
 Sufficient tack time is crucial to obtain maximum bond.  
 Use SRR approved cements when applicable.

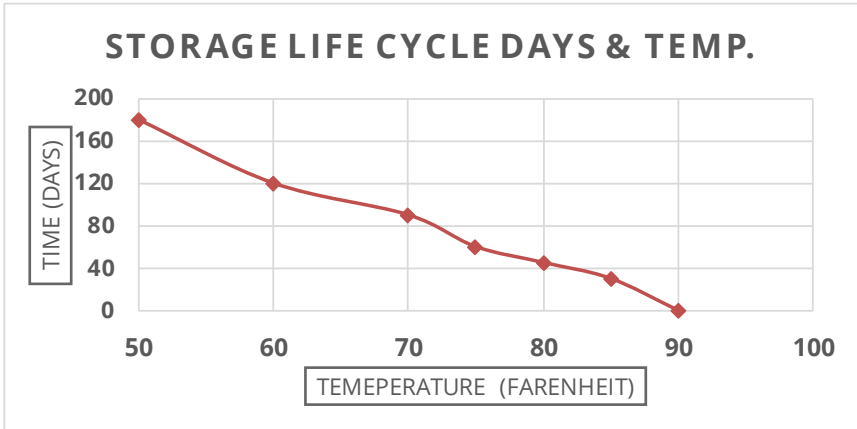
### CURE TIME AND TEMPERATURE: CURE FOR THICKNESS UP TO ¼"

▽ **Note:** All reference to cure psi represents gauge pressure.

Pressure, Saturated Steam (Autoclave)	2 hrs. @ 30 psi 275°F(135°C)
Internal Steam Cure	6 hrs. @ 20 psi 260°F(126°C)
Atmosphere Steam Cure	Gradually warm until reaching 160°F (71°C) and then increase to 190°F-205°F (87°C-96°C) for 24 hrs.

**\*\*Cure times may require tunings to compensate for low temperatures, heavy metal thicknesses, and other anomalies. Contact SRR Technical Department for recommendations on lining thicknesses over ¼".**

### COLD STORAGE



Ideal storage temperature is between 50°F and 85°F (65°C).

▽ Depending on storage conditions it may be possible to use rubber linings beyond shelf life. Please contact Salem-Republic Rubber Company for technical advisement before usage.



<b>Tensile Strength PSI</b>	ASTM D412	2000 min
<b>% Elongation at Break</b>	ASTM D412	350 min
<b>Durometer</b>	ASTM D2240	60 +/- 5 A
<b>Specific Gravity</b>	ASTM D297	1.4
<b>Adhesion to Metal</b>	ASTM D429	30 pli min

ASTM standards account for the examination and evaluation of a rubber product to ensure quality and acceptability in safe utilization.

▽ **Skive:** Open

▽ **Repair lining:** Use **SR960** for lining repairs.

## APPLICATION SUGGESTIONS:

- ▽ Lining should be uniformly **preheated to 120°F** prior to applying for ease of installation, pre-shrinking, and eliminating possible bloom.
- ▽ For gauges greater than ¼" plying up to desired thickness is recommended using a **45°/135° butt splice with offset seams** on all but the top layer.
- ▽ It is recommended that lining layers adhere to each other using SRCE962CR.
- ▽ Experienced applicators may have techniques which produce equal or superior results and by no means are SRR's application suggestions meant to replace these proven techniques. As long as those procedures fall within NACE Standards lining application guidelines.

*The above procedures are based on a guideline, please to refer to NACE standard practice / Sheet Rubber Linings for Abrasion and Corrosion Services (SP0298-2007) for in depth procedures and methods.*

## GENERAL RESISTANCE TABLES

CHEMICAL	
General Resistance	
Acid (Concentrate)	<b>Good</b>
Acid (Dilute)	<b>Good</b>
Salt Solutions	<b>Good</b>
Oxygenated Solvents	<b>Good</b>
Animal & Vegetable Oils	<b>Good</b>
Oil & Gasoline	<b>Good</b>

ENVIRONMENT	
Atmospheric Aging	
Low Temperature Flexibility	<b>Fair</b>
Moisture Resistance	<b>Good</b>
Compression Resistance	<b>Good</b>
Permeability	<b>Fair</b>
Abrasion Resistance	<b>Poor</b>

▽ Note: This chart reflects common chemical resistance and aging. Please contact Salem-Republic Technical Staff for full Chemical Resistance chart.

Please call **Salem-Republic Rubber Company** at **1-800-686-4199** or visit **www.salem-republic.com** with any questions or more information about our **Custom Elastomeric Linings**.



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