



CUSTOM | Engineered Elastomeric Linings SR690

LINING DATA SHEET

- ▽ **Type:** Natural - Semi-hard (Black)
- ▽ **Tie Gum:** With Tie Gum
- ▽ **Properties:** Durometer 90 +/- 5 Shore A— Natural, semi-hard rubber lining for general purpose and water demineralization. FDA compliant.

Primers and Adhesive System:

- (1) coat Chemlok® 289 on Metal
- (1) coat Chemlok® 290 on Metal
- (1) coat Chemlok® 286 on Metal
- (1) coat Chemlok® 286 on Lining

Follow Lord® adhesive recommended procedures for mixing and set time. Sufficient tack time is crucial to obtain maximum bond. Use SRR approved cements when applicable.

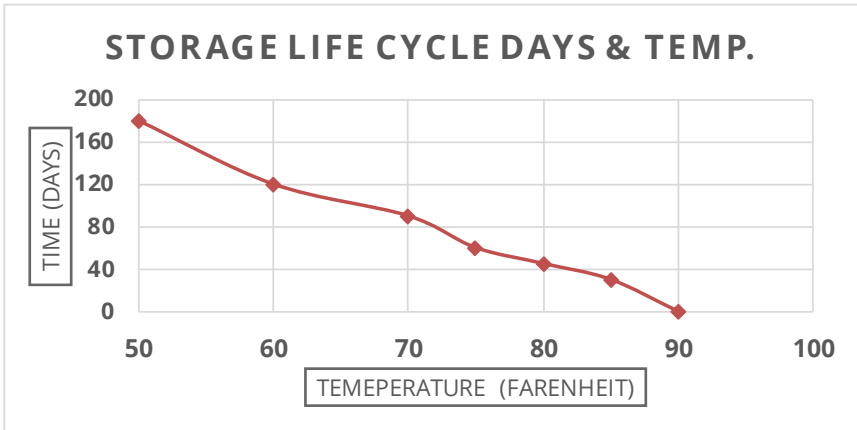
CURE TIME AND TEMPERATURE: CURE FOR THICKNESS UP TO ¼"

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

Pressure, Saturated Steam (Autoclave)	Slowly rise 1 hr to 15psi 250°F (121°C) Hold 2 hrs. @ 15psi 250°F (121°C)
Internal Steam Cure	Slowly rise 1 hr to 15psi 250°F (121°C) Hold 5 hrs. @ 15psi 250°F (121°C)
Atmosphere Steam Cure	24 hrs. @ 190°F-205°F (87°C-96°C)

****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.



Tensile Strength PSI	ASTM D412	1800 min
% Elongation at Break	ASTM D412	125 min
Durometer	ASTM D2240	90 +/- 5
Specific Gravity	ASTM D297	1.29
Adhesion to Metal	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:** Closed
- ▽ **Repair lining:** Use [SR690](#) or [SR669](#) for Chemical Cure

APPLICATION SUGGESTIONS:

- ▽ [SR690](#) is a hard rubber compound, over-cure may cause brittleness.
- ▽ Plying up lining thicker than 1/4' is not recommended due to sagging during cure process.
- ▽ Warming rubber to approximately 120°F will aide in applying and is recommended.
- ▽ 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)	Good
Acid (Dilute)	Good
Salt Solutions	Good
Oxygenated Solvents	Good
Animal & Vegetable Oils	Poor
Oil & Gasoline	Poor

ENVIRONMENT	
Atmospheric Aging	
Low Temperature Flexibility	Good
Moisture Resistance	Good
Compression Resistance	Good
Permeability	Fair
Abrasion Resistance	Poor

▽ 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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