



SALEM-REPUBLIC RUBBER COMPANY

1-800-686-4199 Phone • 330-938-9809 Fax
475 West California Avenue • Sebring, Ohio 44672 • USA
www.salem-republic.com

CUSTOM | Engineered Elastomeric Linings

LINING DATA SHEET

Lining Code: **SR685**

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Type: Natural (Black)

Tie Gum: Without Tie Gum

Properties: Durometer 90 +/- 5 Shore A – Natural, semi-hard, black. A flexible ebonite lining offering maximum resistance to many chemicals. Without Tie Gum. FDA Compliant.

Primers and Adhesive System:

One coat Chemlok® 289 on Metal

One coat Chemlok® 290 on Metal

One coat Chemlok® 286 on Metal

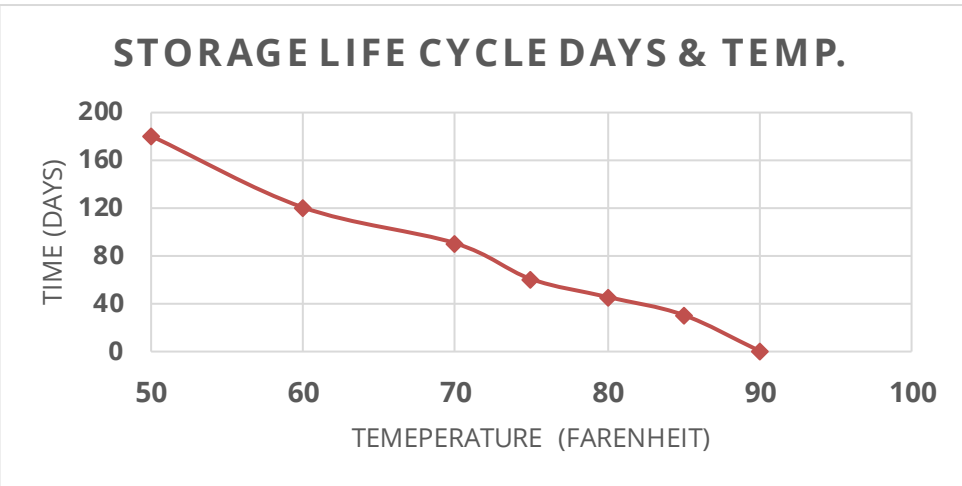
One coat Chemlok® 286 on Lining

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

Pressure, Saturated Steam (Autoclave):	Slowly rise to (15psi) 250°F (121°C) Hold 2 hrs. @ (15psi) 250°F (121°C)
Internal Steam Cure	Slowly rise to (15psi) 250°F (121°C) Hold 5 hrs. @ (15psi) 250°F (121°C)
Atmosphere Steam Cure	24 hrs @ 212°F (100°C)

Note: All reference to cure psi represents gauge pressure.

****Cure times may require tunings to compensate for low temperatures, heavy metal thicknesses, and other anomalies. Contact SRR**



Ideal storage temperature is 50°F not to exceed 85°F and shelf life is 180 to 45 day range respectively.

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.

DESIGNED PHYSICAL PROPERTIES

Lining Code: **SR685**

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

Skive: Closed

Repair lining: Same or SR669 Chemical Cure

APPLICATION SUGGESTIONS:

- 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.
- **SR685** is a hard rubber compound, over-cure may cause brittleness.
- 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 industry standard lining application guidelines.

STANDARD DIMENSIONS:

Roll	Standard Gauge	Tolerance	Roll Gauge	Standard Roll	Maximum
A Roll	.120	+/- .05	A Roll	90ft	96
B Roll	.180	+/- .010	B Roll	60ft	66
C Roll	.240	+.010 or -.020	C Roll	45ft	51
3/8" Roll	.360	+/- .015	3/8" Roll	30ft	33
1/2" Roll	.480	+/- .015	1/2" Roll	23ft	27

*Customer specific gauges and widths, other than standard, are available upon request.

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



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