

# 2050

## BLENDED CHLOROBUTYL LINING

March 2015

**Polycorp 2050** is a black 55A durometer blended chlorobutyl, excellent for chemical resistance properties in high temperature application up to 220°F/104°C.

**APPLICATION NOTES:**

- **Skive** – use closed skive construction
- **Repair** – Same
- **Cured Durometer** – Shore A Durometer of top surface: 55 ± 5.
- A heated table to warm the rubber to 110–120°F (43°C) is recommended
- **Spark Test** – Refer to section 13 of the Application Manual

**ADHESIVE NOTES:**

See Section 6 of the Polycorp Rubber Lining Application Manual for specific cementing / adhesion notes.

For proper adhesion, temperatures must be over 60°F (15°C) and must not exceed 120°F (49°C).

Use adhesives in well-ventilated area and always consult the material safety data sheet for specific precautions.

**CURING:**

Cure time adjustments may be required to compensate for specific conditions. See Section 10 of the Application Manual for detailed instructions.

**Autoclave Method –Up to 1/4” thickness:**

3 hours @ 250°F/121°C (15psi).

1.5 hours @ 292°F/144°C (44psi)

**Internal Steam Method – Up to 1/4” thickness:**

Slow rise to 250°F/121°C (15 psi). Hold 6 hours @ 250°F/121°C (15 psi).

**Atmospheric Steam Method –**

Minimum 24 hours @ 212°F/100°C.

Coat	Polycorp Adhesive	Approved Equivalent
1 <sup>st</sup> Coat on Metal	C-90 Primer	Chemlok 289
2 <sup>nd</sup> Coat on Metal	C-91 Intermediate	Chemlok 290
3 <sup>rd</sup> Coat on Metal	C-202S Tack	Chemlok 286
4 <sup>th</sup> Coat on lining	C-202S Tack	Chemlok 286

## STORAGE:

Store in a cool and dry area.

Shelf Life	
Stored below 50°F (10°C)	180 days
Stored between 51 and 70°F	60 days
Stored between 71 and 90°F	45 days
Do not store above 90°F (32°C)	

Depending on storage conditions it may be possible to use rubber linings beyond the recommended shelf life however additional testing must be completed. Please contact Polycorp for recommended test procedures. A sample of the rubber lining can also be sent back to Polycorp for verification.

Storage, handling and application methods must conform to the Polycorp Rubber Lining Application Manual.

## TYPICAL PROPERTIES:

Property	Value	ASTM Test Method
Hardness (Face)	55 A ± 5	D2240
Tensile Strength (min, psi)	1000	D412
Elongation at Break (min, %)	400	D412
Specific Gravity	1.21	D297
Adhesion to Metal (min, lbs)	25	D429
Maximum Operating Temperature for Optimum Service Life	104°C / 220°F	N/A

All physical property values developed and measured using a press-cured sample sheet prepared in accordance with ASTM D3182.