

TECHNICAL DATA SHEET

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TRIFLEX 3-LAYER COMBINATION

October 1, 2010

Polycorp 1001 55A durometer black, natural rubber, chemical cure Triflex. Soft-Hard Soft. Excellent in combined abrasion and chemical resistance. Flexible to withstand rapid changes in temperature and related expansion and contraction. FDA compliant as per 21CFR177.2600. For FDA service use C-600 activator and for non-FDA service use C-700 activator. Ambient or steam assist.

Application Notes:

- **Skive** – use closed skive construction
- **Repair** – same
- **Cured Durometer** – Shore A Durometer of top surface: 55 ± 10 .
- **Special Treatment After Application** – After application, brush the rubber surface with three (3) separate coats of C-600 or C-700 activator. Dry 30 minutes between each coat.
- **Spark Test** – Refer to section 13 of the Application Manual

Adhesive Notes:

See Section 9 of the Polycorp Rubber Lining Application Manual for specific cementing / adhesion notes.

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

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

For distributors of Chemlok adhesives, see Section 9 of the Application Manual

Curing:

Cure time adjustments may be required to compensate for specific conditions. See Section 11 of the Application Manual for detailed instructions.

Ambient Cure – The chemical cure lining will vulcanize in about 3 weeks at 75°F. If service temperature is above 150°F (127°C or 20 psi), the lining could be immediately put in service.

Atmospheric Steam Assist – Introduce exhaust steam sufficient to insure contact with all surfaces. Approximately 4-6 hours in exhaust steam will be required to cure lining. More time may be necessary in a large tank or if heat losses are large.

Storage:

Store in a cool, 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	30 days
Do not store above 90°F (32°C)	

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

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Typical Properties:

<u>Property</u>	<u>Value</u>	<u>ASTM Test Method</u>
Hardness (Face)	55 A \pm 10	ASTM D2240
Tensile Strength	N/A	
Elongation at Break	N/A	
Specific Gravity	1.357	
Adhesion to Metal (Min. lbs)	25	
Maximum Operating Temperature for Optimum Service Life	68°C/ 155°F	

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