

TECHNICAL DATA SHEET

1008

TRIFLEX 3-LAYER COMBINATIONS

October 1, 2010

Polycorp 1008 Black, 60A surface durometer triflex. Soft-Hard-Soft combines excellent abrasion and chemical properties with low water absorption characteristics. Flexible to withstand rapid changes in temperatures and related expansion and contraction. Excellent for FGD scrubber module application. A-I-E Cure. FDA compliant as per 21CFR177.2600.

Application Notes:

- **Skive** – use closed skive construction. When pressure curing, use air pressure cool down to 120 °F/49 °C before opening the tank.
- **Repair** – Same or 1001 chemical cure.
- **Cured Durometer** – Shore A Durometer on top surface 60 ± 5.
- **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.

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.

<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.

Autoclave Method – 3/16” and 1/4” thickness:
3 hours @ 260°F/127 °C (20 psi)

Internal Steam Method - 3/16” and 1/4” thickness: 6 hours @ 267 °F/131 °C (25psi). 9 hours @ 260 °F/127°C (20psi). 12 hours @ 250 °F/121°C (15psi). 20 hours @ 240 °F/116 °C (10psi).

Atmospheric Steam Method – 1/4” thickness:
Minimum 32 hours @ 212°F/100°C

Storage:

Store in a cool, dry area.

Shelf Life:

Stored below 50°F (10°C)	180 days
Stored between 51 and 70°F	90 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:

Property	Value	ASTM Test Method
Hardness (Face)	60A ± 5	D2240
Tensile Strength (min, psi)	N/A	D412
Elongation at Break (min, psi)	N/A	D412
Specific Gravity	1.08	D927
Adhesion to Metal (min, lbs)	25	D429
Maximum Operating Temperature for Optimum service Life	85°C/185°F	N/A

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