

# MR42

Marflex™ black, semi-hard natural rubber lining with excellent machinability. Particularly suitable for lining valves/pipes. Available with or without tie gum.

## SPECIFICATIONS

**FACE MATERIAL DUROMETER, ATMOSPHERIC CURE:**  
N/A

**PRESSURE CURE:**  
40 to 70 D

**AVAILABLE GAUGES:**  
1/8", 3/16", 1/4", 1/2", 4mm, 5mm, 6mm

**SKIVE:**  
Open skive without tie gum.  
Closed skive with tie gum.

**REPAIRS:**  
Repair with original lining.  
See Section 16 - Repair Procedures.

TYPICAL PHYSICAL PROPERTIES		
Tensile Strength PSI	ASTM D412	1500
% Elongation at Break	ASTM D412	100
Durometer	ASTM D2240	60 D
Specific Gravity	ASTM D927	1.30
Adhesion to Metal	ASTM D429	30 LBS

Notes: For the best appearance of the completed rubber lining, always apply plastic side down against the substrate.

Caution: This lining is susceptible to deterioration by sunlight and oxygen. This is known as 'weather checking'. Do not expose rubber lining to sunlight, ozone or oxygen.

CURE METHODS AND TIMES:	
Autoclave	Up to 1/4" - 4 hours at 298°F (148°C) Multiple layers – 1 hour at 240°F followed by 4 hours at 298°F (148°C)

Note: Cure times may require adjustment to compensate for heavy metal thickness, low exterior temperatures or other unusual factors. See Section 14 – Curing Instructions.



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**STORAGE LIFE FROM DATE OF SHIPMENT**

32°F (0°C) to 50°F (10°C)	180 days
51°F (13°C) to 65°F (19°C)	90 days
66°F (21°C) to 75°F (23°C)	60 days
76°F (24°C) to 85°F (30°C)	30 days

Storage temperature must not exceed 85°F (30°C).

**ADHESIVE SYSTEM  
ENDURABOND™ 1\*2\*3 SYSTEM**

1st coat on metal:	Primer #1
2nd coat on metal:	Intermediate #2
3rd coat on metal:	Tack #3
On the rubber:	Tack #3

\*Each adhesive component requires thorough mixing before application.

**APPLICATOR NOTES**

1. Caution: Hard rubber linings may crack when subjected to thermal or mechanical shock.
  - After cure is complete bring down temperature slowly. For example; a maximum of 50°F (10°C) per hour. When pressure curing bring temperature down under air pressure and follow the above temperature parameters.
  - Mark outside of hard rubber lined vessels with signs that would indicate prevention of mechanical shock. For example; a “do not use hammer or striking symbol”.
  - Do not transport or move hard rubber lined vessels below 20°F (-5°C).
2. Plying up layers of rubber lining thicker than 1/2” other than for a seam could result in the rubber exotherming or blister apart during cure. Do a test plate to determine thick rubber cure characteristics.
3. For easier application, use a heated table that warms rubber to approximately 120°F (49°C).
4. The temperature of the substrate must be greater than 60°F (15°C) prior to applying primer and rubber. Temperatures should not exceed 120°F (49°C).
5. Strict adherence to adhesive specifications is required. Tack time is critical to the success of the bond.



**DISCLAIMER:**

The above guidelines are based on general industry practices and not applicable to all installations. Please contact Blair Rubber Company for specific application instructions. Application methods shall conform to Blair Rubber Company instructions contained in the Engineering & Applicator manual. Deviations from the specifications must be approved in writing by Blair Rubber Company. Data values are approximate and may vary based on installation techniques and atmospheric conditions. As such, data values should be used as general guidelines and are not a legally binding warranty of product characteristics. This document is copyright to and the intellectual property of Blair Rubber Company and may not be copied or distributed without prior consent.