

VE515BNI

Enduraflex™ black, soft, nitrile lining for general purpose when petroleum oils are present.

SPECIFICATIONS

**FACE MATERIAL DUROMETER,
ATMOSPHERIC CURE:**
50 to 60 A

PRESSURE CURE:
50 to 60

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

SKIVE:
Open

REPAIRS:
Repair with original lining.
See Section 16 – Repair Procedures.

TYPICAL PHYSICAL PROPERTIES

| | | |
|-----------------------|------------|--------|
| Tensile Strength PSI | ASTM D412 | 2200 |
| % Elongation at Break | ASTM D412 | 700 |
| Durometer | ASTM D2240 | 55 A |
| Specific Gravity | ASTM D297 | 1.24 |
| 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: Soft nitrile rubber 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 | 2 hours at 275°F (135°C) |
| Internal Pressure | 6 hours at 260°F (127°C) |
| Atmospheric | Step 1 – Observe a gradual warm-up time until reaching 160°F (71°C). This time will vary depending in ambient and other variable conditions specific to the application. |
| | Step 2 – 24 hours at 180°F (82°C) or 20 hours at 200°F (94°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 (23°C) to 85°F (30°C) | 30 days |

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

ADHESIVE SYSTEM

| | |
|--------------------|--------------------|
| 1st coat on metal: | Primer P-100 |
| 2nd coat on metal: | Intermediate I-100 |
| 3rd coat on metal: | 201 Tack |
| On the rubber: | 201 Tack |

*Each adhesive component requires thorough mixing before application.

APPLICATOR NOTES

1. A heated table that warms rubber to 120°F (49°C) is best for application.
2. Lining may shrink 10% lengthwise after unrolling. Preshrink rubber before applying or during the cure the lining will lift away, requiring repair.
3. 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).
4. This rubber lining cannot be overly stretched. It must be gently folded to cover the area to be lined and then firmly rolled down. Do not attempt to push or force the lining down into corners. Stretching the rubber will cause the lining and seams to lift during cure. Use “V-beads” in corners and sharp angles to prevent any stretching.
5. Strict adherence to adhesive specifications is required. Tack time is also critical to the success of the bond. Application of multiple coats of adhesive will be detrimental to 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.