



# CU535BEP

**Description:** ENDURAFLEX Black, soft, EPDM, cured sheeting general field and repair use.

**Durometer of Face Material:** 50 to 60 Shore A Scale

**Available Gauges:** 1/8", & 3mm.

**Adhesives:** ENDURABOND System for synthetics

|                    |                    |
|--------------------|--------------------|
| 1st coat on metal: | Primer P-100       |
| 2nd coat on metal: | Intermediate I-100 |
| 3rd coat on metal: | 502 Tack           |

**Skive:** Butt/Cap

**Cure Methods and Times:** None.

**Repairs:** Repair with original lining. See Section 17 – Repair Procedures. This an EPDM rubber repair material for VE530BEP, VE518BEP, V714BEP and Chlorobutyl Rubber lined vessels (particularly bleach storage or transport vessels).

**Storage Life:** Indefinite. Keep clean.

### Typical Physical Properties

|                        |            |         |
|------------------------|------------|---------|
| Tensile Strength – PSI | ASTM D412  | 1400    |
| % Elongation at break  | ASTM D412  | 775     |
| Durometer              | ASTM D2240 | 55A     |
| Specific Gravity       | ASTM D927  | 1.13    |
| Adhesion to Metal      | ASTM D429  | 20 Lbs. |

*Application methods shall conform to BLAIR Rubber Company instructions contained in the Engineering & Applicator manual. Deviations from the specifications must be approved by BLAIR Rubber Company.*

### Notes:

- Do not use in HCL acid service.

### Applicator notes:

1. When repair includes bonding to metal, buff or sand blast surface. Buff old adhered rubber to a smooth taper to prepare for inlay.
2. Apply 1 coat of black Endurabond Primer and Intermediate to metal and allow too dry.
3. Apply 1 coat of Endurabond 502 to metal and to good, cleaned buffed rubber around the repair.
4. The CU535BEP is cured rubber and does not require buffing to provide a bond.
5. Apply 1 coat of Endurabond 502 adhesive to the CU535BEP. Allow drying 15-45 minutes until tacky, but will not transfer to glove.
6. Inlay the CU535BEP and roll all air out from behind lining and stitch down edges. Trim off flush with present lining.
7. Apply an overlay of the inlay by applying Endurabond 502 adhesive over the patch and apply to another piece of CU535BEP to overlay the repair. Ensure there is sufficient coverage over the seam.
8. Another option for large repairs is to over lay the seam using the butt/cap method. Roll and stitch down the cap strip (open skive).
9. Do not attempt to stretch rubber into position. Rubber will not stretch without returning to its original shape. Care must be taken to ensure surfaces are flat or gently sloping in order for rubber to conform to surface shape.
10. No heat is required as long as ambient temperatures are greater than 50°F (10°C). Bond strength will be achieved in 24-48 hours.
11. 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 (48° C).