

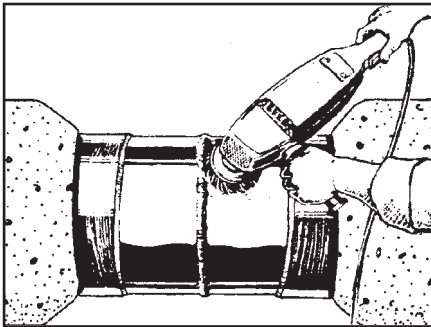


### Materials and equipment

1. Appropriate size WPCZ sleeve with preattached WPCP IV closure patch
2. Torch
3. Propane gas tank, hose, regulator and gauge
4. Standard safety equipment such as gloves, goggles, hard hat, etc.

Installation has to be done according to local government regulations and usual safety precautions.

For proper selection of joint protection materials, see Product Selection Guide or contact your local Sales Engineer.

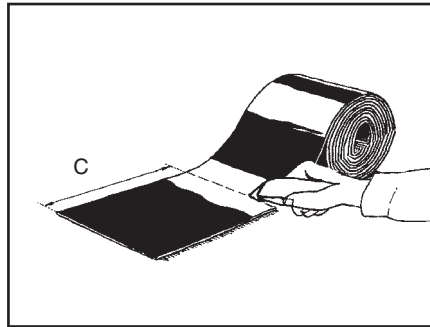


### Sleeve application

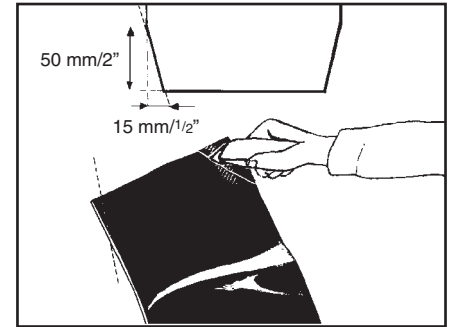
1. Clean exposed steel and adjacent pipe coating to be covered by WPCZ sleeve with a hand or power wire brush, to remove loose and foreign materials. Wiping may be necessary to remove the particles from cleaning.

#### Note:

*Coal tar* - remove outer paper wrap 5" (125 mm) to 6" (150 mm) adjacent to cut-back to expose coal tar. *Painted coating* - remove whitewash paint on the surface of coating to be covered by WPCZ sleeve.

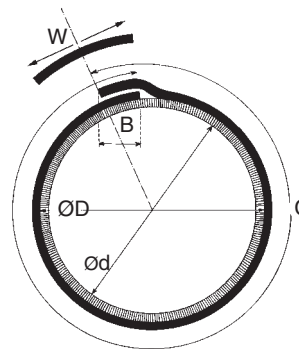


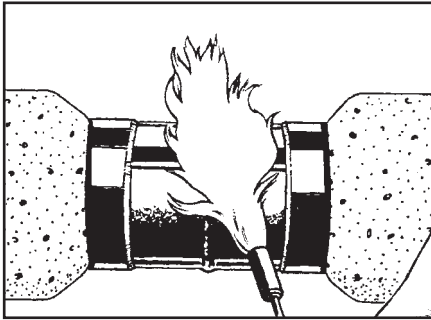
2. Cut the sleeve to the appropriate length according to below table.



3. Cut the corners of the underlying end of the sleeve to approximately 1/2" x 2" (15 mm x 50 mm).

| Ø D mils<br>inches (0,001) | Ø d<br>mm | C<br>in./mm | B<br>in./mm | W<br>in./mm |
|----------------------------|-----------|-------------|-------------|-------------|
| 2375                       | 50        | 12/305      | 2/50        | 4/100       |
| 2875                       | 65        | 13/330      | 2/50        | 4/100       |
| 3500                       | 80        | 15/380      | 2/50        | 4/100       |
| 4000                       | 90        | 18/460      | 2/50        | 4/100       |
| 4500                       | 100       | 18/460      | 2/50        | 4/100       |
| 5563                       | 125       | 21,5/550    | 2/50        | 4/100       |
| 6625                       | 150       | 25/640      | 2/50        | 4/100       |
| 8625                       | 200       | 31,5/800    | 2/50        | 4/100       |
| 10750                      | 250       | 38,5/980    | 2/50        | 4/100       |
| 12750                      | 300       | 45,5/1150   | 2/50        | 4/100       |
| 14000                      | 350       | 49,5/1260   | 2/50        | 4/100       |
| 16000                      | 400       | 56/1420     | 2/50        | 4/100       |
| 18000                      | 450       | 62,5/1590   | 2/50        | 4/100       |
| 20000                      | 500       | 69,5/1770   | 2/50        | 6/150       |
| 22000                      | 550       | 77/1950     | 2/50        | 6/150       |
| 24000                      | 600       | 83/2110     | 2/50        | 6/150       |
| 26000                      | 650       | 89,5/2270   | 2/50        | 6/150       |
| 28000                      | 700       | 95,5/2430   | 2/50        | 6/150       |
| 30000                      | 750       | 102,5/2600  | 2/50        | 6/150       |
| 32000                      | 800       | 108,5/2760  | 2/50        | 6/150       |
| 34000                      | 850       | 115,5/2930  | 2/50        | 6/150       |
| 36000                      | 900       | 122/3100    | 2/50        | 6/150       |



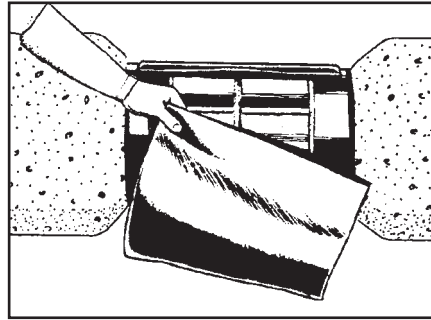


#### 4. Preheating

If the sleeve is to be applied immediately after welding, the joint must be allowed to cool below 200°C (355°F). If the sleeve is to be applied to a cold joint, no preheating is required when the ambient temperature is above the dew point and the pipe is dry; otherwise, preheat the joint area above the dew point until it is warm to the touch.

#### Note:

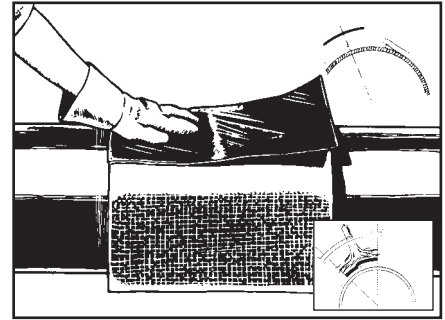
Two people working on opposite sides of the pipe are recommended for installing sleeves on pipe 16" (400 mm) in diameter and larger.



5. Remove the protective release plastic from the coated sleeve. Center sleeve over the weld so it is evenly overlapping adjacent pipe coating. Wrap loosely around pipe so that the logo runs circumferentially around the pipe.

#### Note:

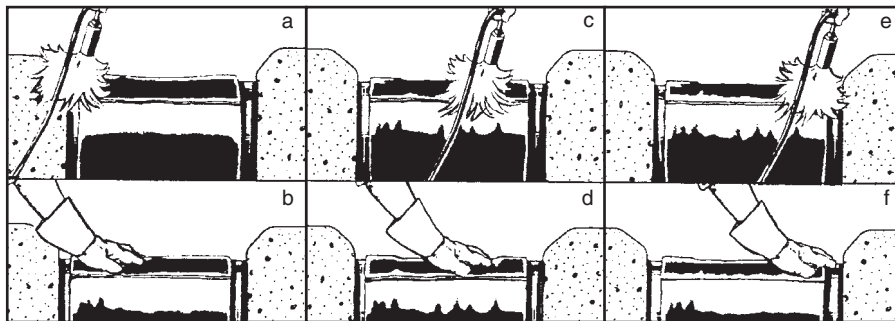
1. Clean overlap area of the sleeve to remove dirt and other foreign materials.
2. Edges of sleeve should extend 2" or more onto adjacent pipe coating.
3. Overlapping ends of sleeve should align evenly.
4. Position overlap to permit easy access for installing closure.



#### WPCP IV closure application

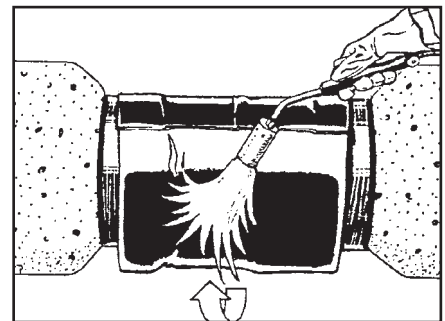
1. Press WPCP IV closure in position, centering over the exposed sheet end. (For UNISLEEVE products, the closure is pre-attached and already centered in position.)

The sheet should overlap the sheet (excluding closure) by 2" (50 mm) minimum.



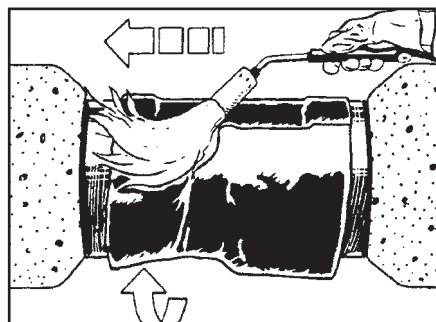
2. Using a torch, adjust flame length to approximately 20" (500mm) to produce a yellow flame. Using the yellow portion of the flame, heat the closure evenly until the pattern of the fabric reinforcement is visible.

With gloved hand, pat down the closure and smooth any wrinkles by gently working them outward from the center of the closure.



#### Sleeve recovery

1. Using the torch, begin at the center of the sleeve and heat circumferentially around the pipe, using a constant paintbrush motion. While heating, the embossed or dimpled pattern on the sheet surface should change to a smooth surface.



2. Continue heating towards one end of the sleeve, followed by the other.

#### Note:

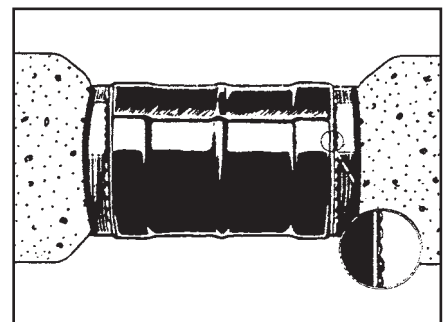
Sleeve may be recovered starting at one end and proceeding toward the opposite end depending on conditions (i.e., wind).



3. During shrinkdown, occasionally check adhesive flow with finger. Wrinkles should disappear automatically.

#### Note:

While sleeve is hot, press or roll overlap and closure area to remove any air voids



4. Sleeve is fully recovered when all of the following have occurred:

1. There are no cold spots or dimples on the sleeve surface
2. Weld bead profile can be seen through the sleeve.
3. After sleeve is cool, mastic flow is evident on both edges.
4. The sleeve has fully conformed to the pipe and adjacent coating.
5. The pattern on the backing has disappeared and the backing has a smooth surface.



*Berry Plastics warrants that the product conforms to its chemical and physical description and is appropriate for the use stated on the technical data sheet when used in compliance with Berry Plastics written instructions. Since many installation factors are beyond the control of Berry Plastics, the user shall determine the suitability of the products for the intended use and assume all risks and liabilities in connection herewith. Berry Plastics liability is stated in the standard terms and conditions of sale. Berry Plastics makes no other warranty either expressed or implied. All information contained in this technical data sheet is to be used as a guide and is subject to change without notice. This technical data sheet supersedes all previous data sheets on this product.*



**CORROSION PROTECTION GROUP**  
[www.berrycpg.com](http://www.berrycpg.com)

Local Distributor / Representative:

For contact details of local Distributors / Representatives  
Please visit [www.berrycpg.com](http://www.berrycpg.com).

Headquarters : Berry Plastics Tapes & Coatings Division, Franklin MA, USA

**Franklin, MA, USA**

Tel: +1 508 918 1714  
US Toll Free: +1 800 248 0149  
Fax: +1 508 918 1910  
CPG@berrypastics.com

**Houston, TX, USA**

Tel: +1 713 676 0085  
US Toll Free: 01 888 676 7202  
Fax: +1 713 676 0086  
CPGH@berrypastics.com

**Tijuana, Mexico**

Tel USA 858 633 9797  
Fax US: +858 633 9740  
Tel Mexico: +52 664 647 4397  
Fax Mexico: +52 664 647 4370  
CPGTJ@berrypastics.com

**Aarschot, Belgium**

Tel: +32 16 55 36 00  
Fax: +32 16 55 36 74  
CPGE@berrypastics.com

**Baroda, India**

Tel: +91 2667 264721  
Fax: +91 2667 264724  
CPGIN@berrypastics.com