

# LINK-PIPE<sup>®</sup>

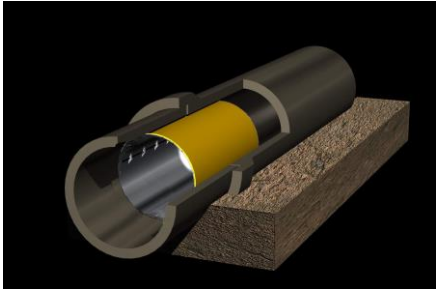
INC.

Manufacturer of No-Dig Pipe Repair Products

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## Installation Tips

### Link-Pipe Root Control Sleeve – VD™ with G-101 and Copper Mesh



<p><b>Root Control-VD™</b></p>  <p><b>Product Series “V”</b></p>	<p><b>Sewer</b></p> <p><b>Pipe Materials:</b></p> <ul style="list-style-type: none"><li>➤ Concrete</li><li>➤ Reinforced Concrete</li><li>➤ Steel</li><li>➤ Cast Iron</li><li>➤ PVC</li></ul> <p><b>Pipe Diameter:</b> Ø4 Inch to 36 Inch</p>	<ul style="list-style-type: none"><li>➤ Sealing</li><li>➤ Preventing of Root Intrusion</li></ul> <p><b>Link-Pipe Root Control Sleeve -VD™ has a stainless steel structural core which is mechanically locked in place with an ability to adjust to the dimensional tolerances of the host pipe</b></p>
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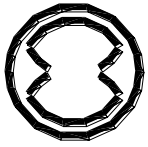
#### Warnings:

1. Root Control Sleeve should be stored in the original sealed plastic bag in dry place at all times. The same, G-101 Grout should be stored in dry and cool place. After water is poured on the Sleeve, or otherwise the grout gets wet, the sleeve should be installed within **20 minutes** because after this, the Grout thickens and may prevent the sleeve from locking and the sleeve could be lost. Also wet felt under copper mesh becomes more or less dry again. Moreover, in few hours, a harmful substance (Health Rating = 2, moderate) will appear on the sleeve surface, as a result of the chemical reaction. Although the Grout is slow acting, no time should be wasted after the Grout is put in contact with water. **The sooner, the thinner the grout mixture is, the easier the installation can be.**
2. Installed Sleeve transfers pressure on the host pipe. That's why host pipe should not be made from vitrified clay, asbestos cement, or other brittle materials that can be damaged by installation pressure coming in contact with the host pipe. Sleeve should be used for sealing joints and circumferential cracks only.
3. Host pipe should be clean and free from protruding roots, making sure the chemical is not washed away from the felt.

#### Installation:

1. Remove the Sleeve from the plastic bag (Fig. 1).
2. Add Copper Sulfate to the Grout (Fig. 1) and shake well the bottle (Fig. 2).

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Fig. 1

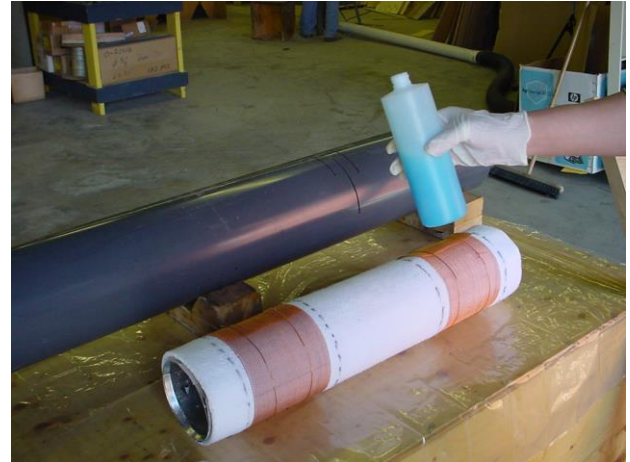


Fig. 2

3. Work the Grout into the felt in the area between two Copper Meshes (Fig. 3) and at the ends of the sleeve from the outside of the Copper Meshes (Fig. 4). **All Grout** supplied with the sleeve must be used. You may have to press hard to get the grout in. And make sure it is completely soaked. The Grout is easily absorbed and may leave some part of the gasket empty if not carefully and evenly spread. This will cause the failure in sealing.




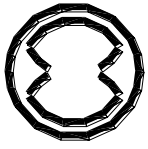
Fig. 3



Fig. 4

4. Insert the plug into the sleeve and hook up wheels, if needed (Fig. 5).
5. Center the sleeve on the plug.

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6. Before inserting the Plug/Sleeve assembly into the pipe, inflate the Plug a little, just enough to snug the Plug to the Sleeve. This will hold the sleeve from slipping off the Plug during travel in the pipe.

**NOTE:** If too much pressure is applied, the sleeve may prematurely open and then control may be lost when the assembly is being transported in the sewer.

7. Pour water onto the outer surface of the Sleeve including grouted and under mesh areas (Fig. 6).




Fig. 5



Fig. 6

8. Pull the plug/sleeve assembly to the repair site. For the purpose of keeping good control over the installation process, the installer must monitor the accuracy of locating the plug/sleeve assembly over the intended repair site. It is always helpful to predetermine accurately the distance from pipe entrance at the Manhole to the damage and mark the camera cable for later easy reference.
9. To install the sleeve, bring the air pressure to 40psi.
10. Release the air pressure and check by camera if all locks are engaged preferably on a single row; if locks are not engaged on a single row, insert the plug again, move the plug to the sleeve end with smaller diameter and apply 5psi more pressure.

For more information, please call Lembit (Lem) Maimets or Danny Gan at 1-800-265-5696.

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