



### Application

**IPLUG-RSK** (Riser Sealing Kit) protects underground risers and cables against damage from rodents and birds, and maintenance personnel from injury by nesting wasps, hornets, and other harmful insects. In addition, **IPLUG-RSK** provides a durable water seal at the top of the riser. The key **IPLUG-RSK** technology -- **IFOAM** -- is a fast-curing, low-toxicity, structural, epoxy foam that is flame resistant and UV-resistant. Each **IPLUG-RSK** kit seals risers up to six inches in diameter and is fully compatible with all standard cable-jacketing materials.

### Method of use

After the riser and cables have been cleaned, a die-cut sponge is wrapped around the cables and pushed into the riser, forming a barrier for the **IPLUG-RSK** foam. A clear plastic film is then wrapped around the riser and taped into place, forming a disposable **IFOAM** mold. The two-part **IPLUG-RSK** foam is hand mixed in its two-part Clip-Pak, and the package opened and contents squeezed into the top of the riser. Once the disposable plastic mold has been closed, the **IPLUG-RSK** foam expands and cures.

## BENEFITS

### Wasp, hornet, and rodent barrier

**IPLUG-RSK** uses a structural, epoxy foam to seal the top of the riser, preventing cable damage or personnel injury from nesting rodents, birds, and harmful insects.

### Low toxicity

**IPLUG-RSK** uses an epoxy foam composed only of low toxicity materials. **IPLUG-RSK** will not generate toxic gases either during installation or when exposed to flame, and unlike polyurethanes and other foams, no special safety equipment is required for normal **IPLUG-RSK** installations.

### Versatile

Since **IPLUG-RSK** expands as it foams, each kit works well with all commonly used riser sizes and materials. Only one **IPLUG-RSK** kit is required for all risers up to six inches in diameter. The die-cut sponge disk, supplied, fits any number, or combination, of cables and cable sizes.

### Cable compatible

**IPLUG-RSK** has been fully tested and approved for suitability, effectiveness, and safety with all standard cable jacketing materials. Under thermal loading conditions **IPLUG-RSK** expands and contracts preventing damage to cable insulation.

### Easy to use

**IPLUG-RSK** requires no installation tools. The two-part epoxy foam is mixed by hand, in its package, and squeezed into the mold formed by the clear plastic film. A two color resin/catalyst (charcoal colored resin with florescent orange catalyst) system provides a simple, visual indication of proper **IPLUG-RSK** mixing.

### Removable

**IPLUG-RSK** is formulated to allow for easy removal to repair or replace cables. **IPLUG-RSK** can be removed using conventional hand tools.

---

**Material Properties**

|  |  |
|--|--|
| Expansion ratio (liquid volume:cured solid volume) | 1:4.5  |
| Maximum foaming pressure                           | less than 2.5 psi  |
| Smoke density                                      | less than 75   |
| Flame spread rating                                | less than 19   |
| Flammability                                       | flame resistant  |
| Smoke composition                                  | decomposition products of carbon,<br>hydrogen, water, traces of flourine   |
| Offensive odor quality                             | very low   |
| Material Safety *                                  | - Contains no isocyanates, CFC's, or other EPA banned or restricted materials.<br>- Respiratory protection not required in normal installations. |

\* For complete material safety data, an **IFOAM** MSDS is available upon request.

---

**Application Data**

|   |  |
|---|--|
| Installation temperature limits                   | 40°-100°F  |
| Maximum temperature generated at installation     | 250°F without cables - 180°F with cables - for 3-5 minutes |
| Percent change in semicon cable shield resistance | <3%  |

---

**Ordering Instructions**

| <b>IPLUG-RSK<br/>Kit</b> | <b>Description</b>  | <b>Standard packaging</b> |
|--------------------------|---|---------------------------|
| IP-RSK-622               | 1 ea. - <b>IPLUG-RSK 2"-3"</b> (Riser Sealing Kit)<br>Each <b>IPLUG-RSK 2"-3"</b> kit includes:<br>1 ea. - 9" x 18" clear plastic film;<br>1 ea. - 2"-3" wrap-around sponge; and<br>1 ea. - 2"-3" <b>IPLUG-RSK</b> Epoxy Foam Clip-Pak. | 24 per case               |
| IP-RSK-620               | 1 ea. - <b>IPLUG-RSK 4"-6"</b> (Riser Sealing Kit)<br>Each <b>IPLUG-RSK 4"-6"</b> kit includes:<br>1 ea. - 9" x 24" clear plastic film;<br>1 ea. - 4"-6" Die-cut sponge; and<br>1 ea. - 4"-6" <b>IPLUG-RSK</b> Epoxy Foam Clip-Pak.     | 24 per case               |

---

**IPLUG™** and **IPLUG-RSK™** are trademarks of **ICORP**. **I®** is a registered trademark of **ICORP**.

---

All of the above information, including illustrations, is believed to be reliable. Users, however, should independently evaluate the suitability of each product for their application. **ICORP** makes no warranties as to the accuracy or completeness of the information, and disclaims any liability regarding its use. **ICORP's** only obligations are those in the Standard Terms and Conditions of Sale for this product, and in no case wil **ICORP** be liable for any incidental, indirect, or consequential damages arising from the sale, resale, use or misuse of the product.

---

S Copyright © 1991 by **ICORP**. All rights reserved.

Sanford

**I**Corp  
**IFOAM Specialty Products  
Corporation**  
Phone: (407) 328-8500  
FAX: (407) 328-7230

Florida