



UNITED SALES

AGENCY

Manufacturer's Representative

Featuring Infi-Shield® (S.S.I) Manhole Sealing Solution



Overview

Infi-Shield® (Sealing Systems Inc. S.S.I) – A one-piece, molded, EPDM rubber sleeve system installed externally over manhole chimneys to provide a watertight seal. (S.S.I)

Feature	Infi-Shield®
Material	EPDM Safety Approved Material
Installation	Stretches over chimney, Riser Rings & Frame, Immediate Backfilled
Seal Type	Mechanical + adhesive
Durability	Flexible, accommodates ground movement and puncture resistance
Safety	NO Risk of Fire, explosions, Flammable Primers, Propane
Watertight Protection	Protects against inflow & infiltration, corrosion protection
Chemical Resistance	Resistant to sewer gases, moderate chemicals
Application	Quick installation, budget-conscious projects
Maintenance	Maintenance Free
Cost	Low cost

Key Benefits of Infi-Shield® (Sealing Systems Inc.)

- **Safety** & Quick simple installation – **no special equipment needed (Propane Tank, Heat Torch, Igniter)**
- Provides reliable inflow and infiltration (I&I) protection.
- Provides corrosion protection and flexible seals that accommodate ground movement.
- Cost-effective options for municipalities
- **No Harmful warnings, Special Handling, Transporting, Storing, Pre / Post Installation, like other products.**
“Always take precautions against the risks of fire and explosions. Handle with care instructions before and during use, observe all safety labels on packaging containers, consult Material Safety Data Sheets, and follow all local or national safety regulations. Harmful or fatal if swallowed; immediately seek medical assistance if swallowed. Avoid inhalation if possible solvent vapors, as well as paint contact with skin and eyes. Apply only in well-ventilated areas and ensure that adequate forced ventilation exists when applying paint in confined spaces or when the air is stagnant.”

Infi-Shield® Uni-Band Installation Procedures



1

Clean the flange of the casting frame and the top 5-inch area of the cone of the manhole with a wire brush and a whisk broom. Both areas must be clean and dry.



2

Apply the aerosol primer on the casting flange where the mastic on the inside top section will bond to the structure.



3

Install the Infi-Shield Uni-band on the outside surface of the adjustment ring area covering all grade rings. The seal should be positioned with the L shaped corner at the top of the manhole structure. Do not pull the seal completely down onto the base/flange of the frame. Enough room should be left so that the protective tape can be easily removed.



4

Remove the protective tape from the non-hardening butyl mastic located under the top section of the seal. Then position the top section so that it lies flat onto the base/flange of the frame. If necessary to lie flat, the seal may be carefully cut around any gussets.

Infi-Shield® Uni-Band Installation Procedures- Continued



5

Position 2" of the bottom section of the seal just below the top of the concrete cone (or on the top slab as in this installation). Fold back the bottom mastic portion of the seal. Apply the aerosol primer on the top of the cone where the mastic will bond. Allow a few minutes for the primer to dry and become tacky. Remove the protective tape from the non-hardening butyl mastic located inside the bottom section.



6

Fold the bottom of the seal back onto the structure and with a rubber hammer tap the seal's top and bottom mastic areas onto the structure.



7

Clean a 5-inch area on the cover with a brush. Position the inspection tab on the side of the casting frame and onto the cover. Remove the protective tape from the mastic on the free end of the inspection tab and fasten the inspection tab onto the cover tapping it into place with a rubber hammer.



8

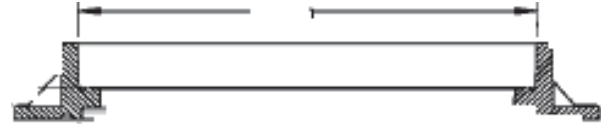
You may now backfill with a permanent seal between the manhole frame and the cone, including the entire adjustment area.

CUT SHEET DRAWING REQUEST FORM

EMAIL TO WILLM@UNITEDSALESAGENCY.NET

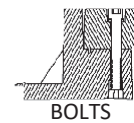
1. FACTORY REP/DISTRIBUTOR _____ MUNICIPALITY/CUSTOMER: _____

2. CLEAR OPENING DIAMETER: ☐ 24" ☐ 30" ☐ 36"



3. FASTENING SYSTEM: ☐ BOLT ☐ PADDLES
PADDLE #: ☐ 2 ☐ 3

Note: Paddle Lock Fastener Not Available for the 36-inch



BOLTS



PADDLES

4. HARDWARE HEAD: ☐ ALLEN  ☐ HEX  ☐ PENTA  ☐ SECURITY 

5. BRAND: ☐ CAP ONE® ☐ CAP ALERT® ☐ CAP STONE® ☐ CAP RF®

6. TOP ARCH TEXT: 

- | | | |
|--|--------------------------------------|---|
| ☐ "CAP ONE" | ☐ "CAP ALERT" | ☐ "CONFINED SPACE PERMIT REQUIRED" |
| ☐ "CAP RF" | ☐ "CAP STONE" | ☐ "DANGER PERMIT REQUIRED" |
| ☐ "UTILITIES DEPT." | ☐ "CITY OF" | ☐ "CONFINED SPACE DO NOT ENTER" |
| ☐ "WATER UTILITIES" | ☐ BLANK | |
| ☐ CUSTOM | | |

7. CENTER CIRCLE TEXT/GRAPHIC: 

- | | | |
|-----------------------------------|--|---|
| ☐ CAP LOGO | | |
| ☐ "S" | ☐ DIAMOND TREAD | ☐ "SANITARY SEWER" |
| ☐ BLANK | ☐ "D" | ☐ "SEWER" |
| ☐ CUSTOM | | |

8. BOTTOM ARCH TEXT: 

- | | | |
|---|--|--|
| ☐ "SANITARY SEWER" | ☐ "WATER SYSTEM" | ☐ "SANITARY SEWER 2023" |
| ☐ "ELECTRIC" | ☐ "WATER" | ☐ "ARV" |
| ☐ "WASTEWATER" | ☐ "STORM" | ☐ "CONFINED SPACE DO NOT ENTER" |
| ☐ "INTERCEPTOR" | ☐ "GREASE TRAP" | ☐ "DO NOT ENTER" |
| ☐ "SEWER" | ☐ "JUSTCAPTHAT.COM" | ☐ BLANK |
| ☐ CUSTOM | | |

OPTIONAL

A. THREADED ATTACHMENTS: ☐ 1 ☐ 2 ☐ 3 ☐ 4

B. VENTS: ☐ 1 ☐ 2 ☐ 3 ☐ 4 SPECIAL VENT HOLE DIAMETER: _____

C. INFI-SHIELD: ☐ 34" O.D. ☐ 39" O.D. ☐ 48" O.D. ☐ 12" ☐ 16"

