

# ISC Services

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## FLEX-SEAL 2.0®

### GRADE ADJUSTMENT RING AREA & JOINT SECTION INSTALLATION INSTRUCTIONS

1. THE OUTDOOR TEMPERATURE MUST BE ABOVE 32° FAHRENHEIT (0° CELCIUS) BEFORE PROCEEDING WITH THE INSTALLATION OF FLEX-SEAL 2.0. USING A SANDBLASTER (MINIMUM 70 CFM), THOROUGHLY CLEAN THE **ENTIRE AREA** TO BE COATED. ALSO REMOVE ANY BITUMINOUS COATINGS, PAINTED COATINGS, OR RUST SCALE BUILD-UP ON THE METAL AND OTHER SURFACES. THIS PROCEDURE **MUST** BE FOLLOWED TO ENSURE THAT FLEX-SEAL 2.0 BONDS TO THE STRUCTURE (CLEANING EQUIPMENT NEEDED WILL DEPEND UPON THE CONTAMINATES ON THE SURFACE AND/OR THE TYPE OF SUBSTRATE). IF USING CEMENT MATERIALS TO PROFILE OR REPAIR THE MANHOLE CONTACT SEALING SYSTEMS, INC. FOR THE PROPER PREPARATION REQUIRED TO BOND URETHANES TO THESE MATERIALS. SOME CEMENT MATERIALS ARE NOT COMPATIBLE WITH FLEX-SEAL 2.0.
2. AFTER THE SANDBLASTING, USE AIR TO REMOVE ANY LOOSE SAND THAT MAY HAVE BEEN DEPOSITED ONTO THE SURFACE. THE SUBSTRATE SURFACE **MUST** BE **DRY** AND FREE OF SAND, LOOSE DEBRIS, LATENCIES, DUST, DIRT, OIL, GREASE, OR CHEMICAL CONTAMINATION. ALL HYDROSTATIC LEAKS MUST BE STOPPED WITH AN APPROPRIATE WATER STOP MATERIAL. QUICK SET CEMENT IS RECOMMENDED. OPENINGS OR GAPS LARGER THAN 3/8 INCH SHOULD BE PATCHED WITH QUICK SET CEMENT. MOST QUICK SET CEMENTS REQUIRE A MINIMUM OF SEVEN (7) DAYS TO CURE FOLLOWED BY THE CORRECT PREPARATION PROCEDURES BEFORE APPLYING ANY COATING. NEVER APPLY THIS COATING TO UNCURED CEMENT. FLEX-SEAL 2.0 WILL NOT BOND TO UNCURED CEMENT.
3. IF THE SURFACE IS WET, DRY THE MANHOLE USING A LARGE PROPANE TORCH ALONG WITH THE APPROPRIATE SAFETY PRECAUTIONS. **CAUTION SHOULD BE TAKEN DUE TO THE EXPLOSIVE GASES COMMONLY ASSOCIATED WITH SANITARY MANHOLES.**
4. BEFORE COATING, AN ACETONE WET WIPE OF THE ENTIRE SURFACE TO BE COATED IS RECOMMENDED. THIS IS TO GET A MECHANICAL WIPE OF THE SURFACE, A WET WIPE OF THE SURFACE AND A HIGH FLASH POINT WIPE OF THE CEMENTITIOUS PORTION OF THE SURFACE TO EVAPORATE ANY SURFACE MOISTURE IN THE NON METALLIC PORTION OF THE CHIMNEY AREA TO BE COATED WITH FLEX-SEAL 2.0.
5. IF COATING **FIBERGLASS, PVC OR EPOXY** TO ENSURE EXCELLENT BOND STRENGTH USE 40 GRIT SANDPAPER TO ROUGH UP THE SURFACE. **\*\* IF COATING HDPE PLASTIC ADJUSTMENT RINGS DO NOT APPLY FLEX-SEAL 2.0 TO THE RINGS WITHOUT FLEX-SEAL 2.0 PRIMER. \*\* PLEASE CALL MANUFACTURER FOR INSTALL INSTRUCTIONS FOR HDPE RINGS.**
6. USING THE BRUSH PROVIDED, APPLY THE FLEX SEAL 2.0 2" ABOVE THE BOTTOM OF THE FRAME, COVERING THE ENTIRE ADJUSTMENT AREA, AND 2" BELOW THE BOTTOM RING. APPLY IT AS EVENLY AS POSSIBLE COVERING NO MORE THAN 12 VERTICAL INCHES PER KIT. THE SPECIFIED MIL THICKNESS IS **170 MILS (4.4 mm)** . BE SURE TO FILL ALL GAPS WITH THE MATERIAL. IT IS IMPORTANT **NOT** TO APPLY THE FLEX-SEAL 2.0 TO ANY **UNPREPARED SURFACE**. THE POT LIFE OF THE FLEX -SEAL 2.0 IS 60 MINUTES DEPENDING ON THE TEMPERATURE.
7. THE FLEX-SEAL 2.0 WILL BE TACK FREE IN APPROXIMATELY 8 HOURS DEPENDING ON THE TEMPERATURE. IT WILL CONTINUE TO CURE TO ITS ULTIMATE STRENGTH IN APPROXIMATELY 30 DAYS. DO NOT PERFORM ADHESIVE, BURST OR VACCUM TESTING UNTIL THE 30-DAY CURE TIME HAS ELAPSED.

Equipment suggested: quick set cement, acetone, hammer, chisel, whisk broom, wire brush, sandblasting equipment, goggles, screwdriver, and OSHA approved breathing apparatus in confined areas.

**WARNING!!** DO NOT GET ANY MATERIAL IN EYES, ON SKIN OR CLOTHING. DO NOT TAKE INTERNALLY. LIQUID MAY CAUSE EYE DAMAGE AND IRRITATE SKIN.