



1. The first step is to make sure you have a clean installation area. Be sure to clean the fiberglass cone with a whisk broom or glove. This will assure a flat seating surface free of rocks, gravel, blacktop, protruding concrete or debris.



2. With the installation area now clean, measure the distance from the cone or top slab to the projected finish grade. When making this measurement, be sure to deduct the distance, or height, of the cover frame. Determine the net build-up of rings necessary to achieve final the grade with the cover frame in place.



3. Now that you have your preliminary measurements, you will need to determine the best ring height combination to attain the necessary adjustment for your specific installation. In cases where grades are not flat, use slope rings to accommodate for this difference.



4. With the measurements determined and your required rings selected, dry stack the rings on the cone or top slab. Rotate any slope rings as necessary. With the rings dry-stacked, place the cover frame casting on top of the assembly and verify the height and slope match.



5. When the assembly is in place and you have your desired height and slope, mark the entire stack and manhole cone with a vertical line of spray-paint. Once you have your line, remove the entire stack as one unit and place upside-down on the ground next to the manhole.



6. You are now ready to begin the actual installation. With all rings within arm's reach, apply a minimum of 3/8 inch round butyl rope ASTM C-990 to the flat surface of the rings facing up. Be sure to apply a second rope on the outside to ensure a complete seal. Be sure to cut the butyl 1/4 inch long with a knife or sharp instrument and knead the two ends together so the splice cannot be seen.



7. With the sealant applied, place the first ring down onto the cone or top slab with the male aligning lip facing up. Make sure to line up your paint strip.



8. As before, place the second ring down onto the first with the male lip interlocking into the center of the first ring. For each ring, make sure to line up your paint strip.

Fiberglass Install Instructions



9. for the final top ring only, snap off the aligning lip using flat nose pliers and rocking the lip back and forth until it snaps. Continue around the entire ring until the entire aligning lip is removed. This ensures a flat sealing area for the frame and cover.



10. At this point, apply 2 separate rings of butyl mastic to the top ring to ensure a tight seal with the ring and cover. Make sure the 2 rings of sealant are side by side, not on top of each other.



11. Gently place the frame and cover onto the final ring, being careful to ensure it is centered prior to placing it on the Ladtech rings and Butyl mastic sealant. **DO NOT KICK OR DROP FRAME AND COVER INTO PLACE** as this will result in an improper installation that will have to be completely disassembled and reassembled from the top of the fiberglass cone up.



12. It is important now to compress the butyl mastic sealant completely. This can be accomplished by having several people stand on the final installation and walk around, or by having a backhoe knuckle down on the top of the ring and cover



13. At this point, the installation of your LADTECH adjustment rings is complete.



13 a. As you can see you can immediately backfill or concrete encase the installation area and proceed to your next installation site.



13 b INSTALLATION COMPLETE!!

Important: This product must be installed in accordance with the manufacturers installation instructions posted on the Ladtech website at www.ladtech.com. Any deviation from the specified installation procedures will void the warranty and release Ladtech from any liability.