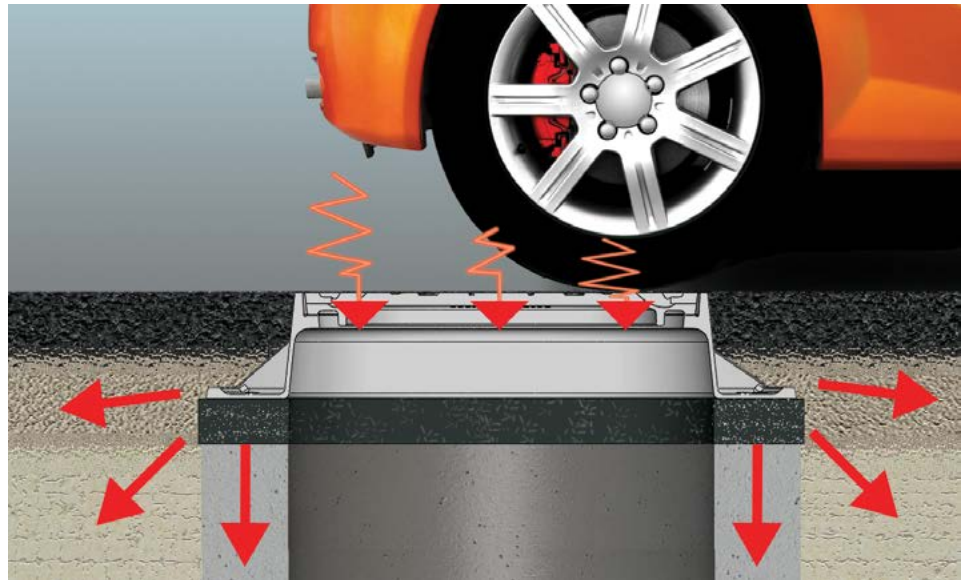




INFRA-RISER® Rubber Composite Adjustment Riser Installation Guidelines

INFRA-RISER® adjustment risers are designed to be installed between the manhole frame and pre-cast structure. This product reduces propagation of traffic vibration into the support structure of the manhole or catch basin, greatly extending the life of the structure and the surrounding pavement. When installed properly, the INFRA-RISER adjustment riser reduces water infiltration into the structure.



General Installation Guidelines—For Non Vacuum Test



Step 1. Apply a continuous strip 5/16"–3/8" thick of polyurethane joint sealer/adhesive on the top surface of the concrete structure or brick course. Place on a diameter 1" smaller than the outside or inside diameter of the adjustment riser.



Step 2. Position the riser in place, ensuring it is centered over the top surface of the concrete structure or brick course of the manhole structure or catch basin.



Step 3. Apply a second continuous strip 5/16"–3/8" thick of polyurethane joint sealant/adhesive on the top surface of the rubber riser 1" smaller than the outside or inside diameter of the frame. If more than one adjustment riser is used, a continuous strip of sealant/adhesive is to be laid between each ring.



Step 4. Center the frame of the manhole or catch basin over the structure opening. Place bottom of frame onto adjustment riser. Press down, applying firm pressure to the frame to create a tight seal with the sealant and adjustment riser.

General Installation Guidelines—For Vacuum Test



Step 1. Before installation, examine conditions of all components of the structure. Pay special attention to any cracks in the concrete components or excessive roughness of the surfaces to be joined. Cracks and rough joint surfaces will prevent good contact of the joined surfaces and will fail the vacuum test. If this condition is present, use no shrink grout to level the surface before proceeding with installation.

Step 2. Examine the condition of the INFRA-RISER adjustment riser. The surface of the adjustment riser should be smooth, flat and free from any porous spots that could cause an air leakage.



Step 3. Clean the surfaces of the concrete components and cast iron frame to be joined from any dust, loose materials, grease, oil or rust.

Step 4. Clean both flat surfaces of the INFRA-RISER adjustment riser from dust using a paint thinner or toluene.

Note

- In order to maintain proper performance of the INFRA-RISER adjustment riser, the rubber unit must form the final surface for installation of the manhole or catch basin frame.
- EJ recommends the use of Loctite® PL Premium® Polyurethane Construction Adhesive, which conforms to specifications of ASTM D3498. This adhesive is available through EJ and major building supply stores.



Step 5. Apply a continuous strip of polyurethane sealant (5/16" – 3/8") on the surface of the INFRA-RISER adjustment riser 1/2" larger than the inside diameter (I.D.) of the INFRA-RISER adjustment riser.



Step 6. Apply a second continuous strip of polyurethane sealant (5/16" – 3/8") on the surface of the INFRA-RISER adjustment riser 1" smaller than the outside diameter (O.D.) of the INFRA-RISER adjustment riser.



Step 7. Place the INFRA-RISER adjustment riser sealant side down in position over the concrete surface.



Step 8. Repeat steps for applying strips of polyurethane sealant to the top side of the INFRA-RISER adjustment riser using the I.D. – O.D. of the frame flange as your starting point. It is important that the beads stay inside of the frame flange.



Step 9. Center the manhole frame or catch basin unit over the structure.

Step 10. Examine that all components (concrete units, INFRA-RISER adjustment riser, iron frame) are in firm contact. Apply additional weight on top of the structure if necessary.

Step 11. Allow 48 hour curing period before performing a vacuum test.



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