

Two-Part Sealant Mixing/Handling Instructions

For Containment Sumps and Full-Bottom Containment Sumps

1. INTRODUCTION

1.1. Before beginning the sealing process, read through the entire Two-Part Sealant Mixing/Handling Instructions, (this document, subsequently referred to as “Two-Part Sealant Instructions”), any sections of the Xerxes Installation Manual and Operating Guidelines (subsequently referred to as “Installation Manual”) noted in this document and any other instructions noted in this document. It is the responsibility of the tank’s owner and the person performing the installation to follow all requirements contained in these Two-Part Sealant Instructions, any other applicable instructions and the Xerxes Installation Manual in effect at time of installation, and to comply with all federal, state and local safety regulations that may apply.

1.2. No instructions or procedures presented in these Two-Part Sealant Instructions or the Installation Manual should be interpreted so as to put at risk any person’s health or safety, or to harm any property or the environment.

1.3. Keep all applicable instructions and the Installation Manual available at the work site to refer to safety procedures as needed.

1.4. When using this sealant, it is important to follow all safety guidelines and instructions included in the sealant package as well as these instructions in order to safely and properly join a full-bottom containment sump or a containment sump to the tank.

1.5. Refer to the *Containment Sump Installation Instructions* or *Full-Bottom Containment Sump Installation Instructions* (whichever applies) for information on safety precautions and guidelines.

WARNING

Failure to follow these procedures could result in death, serious injury and property damage.

CAUTION

Failure to follow these instructions may cause seam failure, and may result in property damage.

1.6. Read these instructions thoroughly before mixing any materials.

Note: Extra material can be ordered from the Xerxes manufacturing facility from which the sealant was shipped.

1.7. The sealant must be stored at a minimum of 60°F and used within 6 months of receiving the material.

1.8. The sealant must be applied at a temperature above 60°F.

1.8.1. If the temperature is below 60°F, preheating is required.

1.8.2. If necessary, preheat the inside of the containment sump to at least 60°F.

1.9. Apply the sealant and test the containment sump before backfilling to grade. (See *Installation Manual* for instructions.)

1.10. Before applying the sealant, check to see that the surfaces to be sealed are dry and free of contamination or frost.

1.11. Before applying the sealant, consult the component preparation instructions included in the sealant instructions and factor that information into the sealing process.

1.12. Depending on temperatures you will have approximately 20 to 30 minutes to apply the material after mixing. (See *installation instructions regarding component preparation*.)

1.13. Take care when exiting containment sump after applying sealant.

1.14. Do not move the containment sump components until the sealant is cured.

2. MIXING AND APPLYING TWO-PART SEALANT

2.1. Mix the total can of sealant.

2.2. Typically, the entire tube of catalyst will be used for each can of sealant. In warmer weather (80°F to 90°F) use one-quarter tube of catalyst for each can of sealant.

2.3. Mix the sealant and catalyst thoroughly until it is a uniform color.

2.4. Make sure the surfaces to be sealed are sanded, clean and dry before applying any sealant. (See the *Containment Sump Installation Instructions* or *Full-Bottom Containment Sump Installation Instructions* or (whichever applies) for instructions on where and how to abrade.)

CAUTION

Failure to adequately sand the surfaces correctly may cause seam failure, and may result in property damage.

3. APPLYING SEALANT – CONTAINMENT SUMP TO COLLAR

3.1. Before mixing sealant, set the containment sump body on the collar and seat it firmly in place.

3.2. Fill the inside groove of the containment sump assembly. (See *FIGURE 3-1*.)

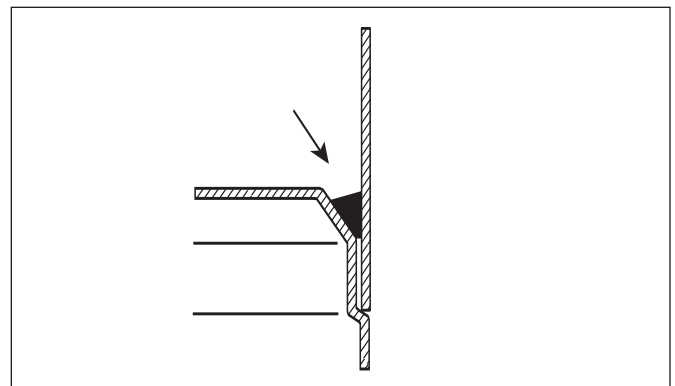


FIGURE 3-1

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3.3. Inspect the sealant for air bubbles. If air bubbles are present, work them out and apply extra sealant (if needed) so there is sufficient and even coverage.

3.4. Work the sealant so there is a tight “seal” of sealant between the collar and the containment sump body.

3.5. Typically, the sealant will harden in about 20 minutes and cure in about 1 hour. (This varies according to temperature and humidity.) Continue to maintain at least the minimum temperature in the sump until the sealant is cured.

4. APPLYING SEALANT – WATERTIGHT TOP TO CONTAINMENT SUMP BODY

4.1. When installing a watertight containment sump system, it is necessary to seal the watertight top to the containment sump body.

4.2. Seat the watertight top onto the containment sump body, making sure the top is centered in the channel.

CAUTION

Take care not to damage the top lip when sealing the watertight containment sump top.

4.3. Fill the space between the top and the outside edge of the channel with sealant. (See FIGURE 4-1.)

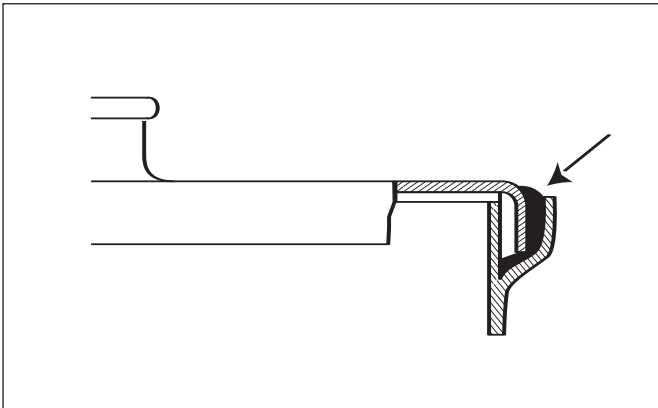


FIGURE 4-1

4.4. Inspect the sealant for air bubbles. If air bubbles are present, work them out and apply extra sealant (if needed) so there is sufficient and even coverage.

4.5. Typically, the sealant will harden in about 20 minutes and cure in about 1 hour. (This varies according to temperature and humidity.) Continue to maintain at least the minimum temperature in the sump until the sealant is cured.

5. APPLYING SEALANT TO FULL-BOTTOM CONTAINMENT SUMP

5.1. Before mixing sealant, set the full-bottom containment sump top into the channel of the sump base and seat it firmly in place. Make sure the top is centered in the channel. (See FIGURE 5-1.)

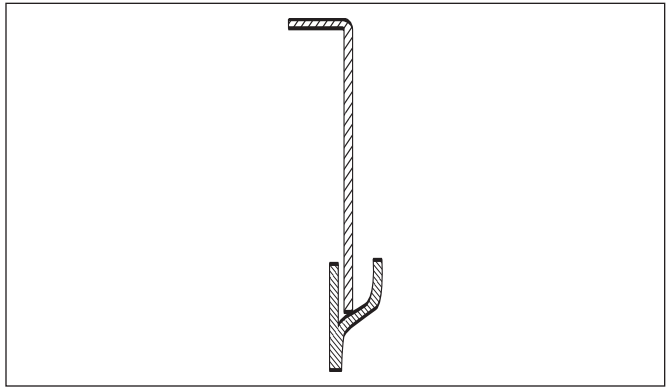


FIGURE 5-1

5.2. Fill the space between the sump top and the outside edge of the channel with sealant. (See FIGURE 5-2.)

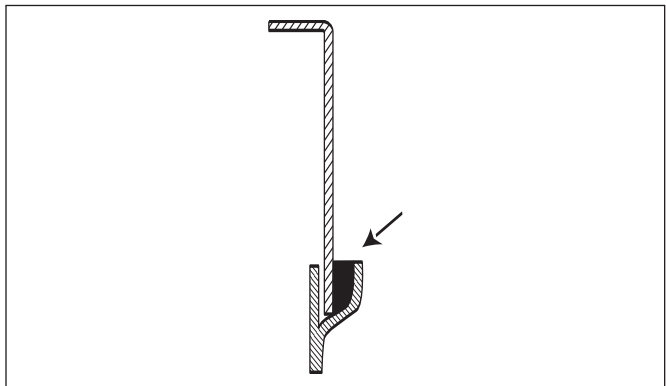


FIGURE 5-2

5.3. Inspect the sealant for air bubbles. If air bubbles are present, work them out and apply extra sealant (if needed) so there is sufficient and even coverage.

5.4. Work the sealant so there is a tight “seal” of sealant between the edge of the top and the outside edge of the channel.

5.5. Typically, the sealant will harden in about 20 minutes and cure in about 1 hour. (This varies according to temperature and humidity.) Continue to maintain at least the minimum temperature in the sump until the sealant is cured.

CAUTION

Failure to comply with the following instructions may cause seam failure.

5.6. After the sealant is cured, test the full-bottom containment sump assembly with water.

NOTE: Xerxes recommends that you allow the material to cure longer than is required (approximately 4 to 6 hours) before drilling piping penetrations. Piping penetrations can be drilled before sealant application, but they will need to be plugged for hydrostatic testing.

5.7. Do not backfill the tank until the hydrostatic testing is complete.