SealShift

Inflatable Seal Installation Guide

This document outlines the steps for installing your new Inflatable Sealseal. Please read these instructions carefully before beginning the installation process.

1. **Prepare the Installation Area**
   - ✅ Clean and dry the mounting groove or channel.
   - ✅ Remove dust, grease, or old adhesive.

   Why: Ensures strong adhesion and proper seal function.

2. **Inspect the Seal**
   - ✅ Check for any visible damage or deformation.
   - ✅ Confirm correct size, profile, and air inlet location.

   Why: Prevents installation issues or failure during use.

3. **Position the Seal**
   - ✅ Carefully place the seal into the groove without stretching.
   - ✅ Align the air connection to its intended location.
   - 🔄 For seals longer than 3 meters:
     - ➤ Install in a cross-pattern sequence (like tightening bolts).
     - ➤ Start at opposite ends and work toward the center.

   Why: Prevents stretching and ensures an even fit without excess material.

4. **Secure the Seal**

- 🔩 **Adhesive Installation:** Apply compatible adhesive, press seal in gently.
- 🛠️ **Mechanical Fixing (if used):** Install clips or screws per design.

Note: Follow adhesive cure times before inflating or testing.

5. **Connect the Inflation System**
   - ✅ Attach the air supply to the inflation port.
   - ✅ Use clamps or fittings as specified.

Pro Tip: Check connections for leaks using a soapy water spray.

6. **Function Test**
   - 🔄 Inflate and deflate the seal.
   - ✅ Ensure proper expansion and uniform contact.
   - 🚫 Watch for twisting, bulges, or gaps.

Why: Confirms readiness for operational use.

Tips for Success:

- 🧰 Use soft tools to press the seal—avoid sharp edges.
- 📏 Do not stretch the seal—let it settle naturally in the groove.
- ⏱️ Wait for full adhesive cure time before inflating or loading.