McWANE DUCTILE | IRON STRONG

DUCTILE IRON PIPE

PIPE LUBRICANT FOR DUCTILE IRON PIPE FIELD CHECKLIST

Before you assemble Ductile iron pipe, check your lube supply. A product labeled "pipe lubricant" is not necessarily approved for Ductile iron pipe. Follow this checklist to support proper assembly and protect gasket performance.

BEFORE YOU START!

- ☐ **Confirm approval.** Use only lubricant supplied or specifically recommended by the Ductile iron pipe manufacturer.
- ☐ **Match the lubricant to the pipe system.** Verify that it is compatible with the pipe, fittings, factory-applied seal coat and manufacturer-supplied gasket — not merely labeled as "pipe lubricant."
- ☐ **Check potable water suitability.** For drinking water installations, confirm the lubricant is nontoxic and certified to NSF/ANSI/CAN 61.
- ☐ **Plan for conditions.** Confirm the approved product suits the expected hot, cold or underwater installation environment. NO-OX-ID® is the approved lubricant for underwater installations.
- ☐ **Prevent contamination.** Keep containers closed and protected from dirt and debris.

DON'T GRAB JUST ANY LUBE

☐ **BLUE LUBE ≠ DUCTILE IRON PIPE LUBE.**

Many blue-colored lubricants are made for **PVC plastic pipe** and are **NOT** automatically suitable for Ductile iron pipe. Never substitute based on color, availability or convenience.

- ✘ Automotive or general-purpose grease
- ✘ Petroleum or petrolatum products, including Vaseline®
- ✘ Cooking oils or shortening
- ✘ Lubricant intended for another pipe material
- ✘ Leftover lubricant unless its **brand, age, condition and approval** are verified

DURING ASSEMBLY

- ☐ **Clean and prepare the joint.** Clean the spigot and gasket area, then install the gasket according to the manufacturer's instructions.
- ☐ **Lubricate the correct surfaces generously.** For push-on joints, apply the recommended lubricant to the exposed gasket face after placement of the gasket in the bell and to the spigot exterior as directed. Adequate lubrication reduces friction and helps prevent the gasket from rolling or being cut during homing of the joint.
- ☐ **Keep critical contact areas dry.** For push-on joints, never place lubricant beneath the gasket or on the bell seat; friction between the rubber gasket and metal gasket cavity is essential for a successful push-on joint assembly.
- ☐ **For mechanical joints.** Apply the recommended lubricant to all three gasket surfaces prior to sliding the gasket over the spigot, then lubricate the spigot end accordingly. This allows everything you do with a wrench in tightening the joint to become effective torque, not ineffective friction.
- ☐ **Use specialty lubricant when required.** For subaqueous applications, use the manufacturer-recommended specialty product, such as NO-OX-ID®, rather than standard joint lubricant.
- ☐ **Assemble as directed.** Use the manufacturer's recommended procedure and equipment. Be sure your equipment is large enough to provide sufficient pushing power.

RAN OUT OF LUBE?

STOP BEFORE YOU SUBSTITUTE.

Contact your pipe supplier or manufacturer representative for the correct product. For McWane Ductile pipe, approved lubricants include **Phoenix XL-27® and Black Swan®**.

REMEMBER

If the pipe manufacturer does not recommend it, do not put it in the ditch.

Use the right lube. Build it right. Keep it Iron Strong.