

ENGINEERING SPECIFICATION LUBRICANT FOR GASKETED PIPE

1.0 SCOPE

This specification covers lubricant used for assembly of all gasketed PVC and metal pipe, (1/2" diameter and greater), for pressure-rated potable water delivery systems and non-pressure rated non-potable sewer collection systems.

2.0 STANDARDS

Lubricant shall conform to and be certified by both of the following standards:
ANSI/NSF 14: Plastic Piping System Components and Related Materials
ANSI/NSF 61: Drinking Water System Components – Health Effects

3.0 REQUIREMENTS

Lubricant shall be an emulsified polymer based product, specifically formulated to be water-soluble *without* causing turbidity. Lubricant shall not transfer taste and/or odor to new water main installations. Lubricant must not promote bacterial growth and be safe for use on all metal and plastic pipes. Lubricant shall be easily flushed from the line and be non-reactive to chlorinated water. Lubricant should work easily on both wet and dry surfaces. The use of oleate-based lubricants is not permitted for new water main installations due to odor and taste transfer problems. Pipe lubricant shall meet the characteristics listed below.

4.0 CHARACTERISTICS

Consistency: Smooth, grit-free paste. The lubricant must remain a paste at temperatures up to 150°F (66°C) and not break down during repeated freeze and thaw cycles.

Temperature Range Use: 0°F (-17°C) to 150°F (66°C)

Color: Shall be light blue in color.

Toxicity: Must be nontoxic, suitable for potable water systems..

Flammability: Must be nonflammable.

Odor: Shall be odorless.

Corrosiveness: Non-Corrosive.

5.0 GENERAL APPLICATION

Clean bell and spigot of pipe to be assembled. Remove any loose dirt, gravel, rust, scale, standing water, etc. For best results apply lubricant with a cotton swab applicator. Apply lubricant liberally to the inside of the pipe bell and spigot. Make sure lubricated surfaces remain free of dirt, gravel or other debris. Assemble the pipe joint immediately after application of the lubricant (refer to pipe manufacturer's recommended assembly methods).

6.0 SUGGESTED SOURCE OF SUPPLY

Pipe Lubricant shall be "Blue Lube", as manufactured by J.C. Whitlam Mfg., Co., Wadsworth, OH PH: 800-321-8358. Representative Contact:
RepMasters Inc. Ph: 801-706-5744 or engineer pre-approved equal.