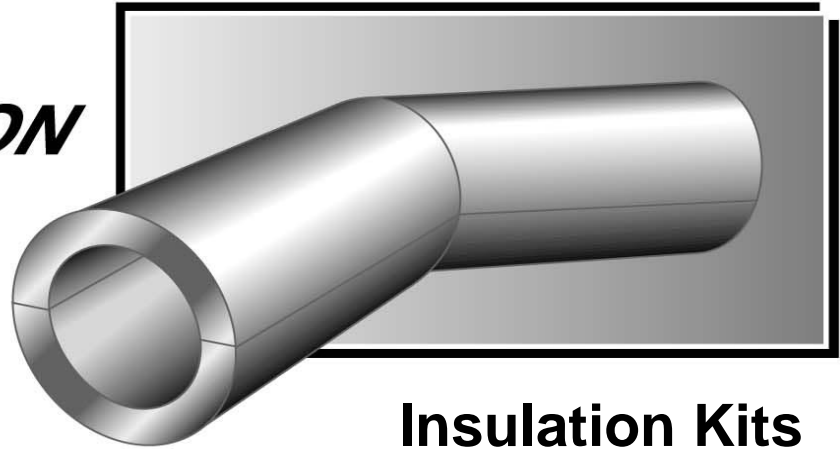


Submittal Data



Insulation Kits with polymer coating

Urecon factory fabricated insulation kits are easy to field install and provide equivalent insulation value as that of the pre-insulated pipe. Kits are fabricated for standard dimensional steel, PVC, CPVC, copper, and HDPE fittings. Non standard kits are also available if required. Specify the type of fittings being insulated when ordering. (Urecon can supply bare pipe fittings in addition to insulation if desired).

Our superior quality kits are manufactured from closed cell polyurethane or polyisocyanurate foam and are coated with a polymer outer jacket. They are a wise choice for applications where moisture resistance is essential.

Application:

Urecon form fitting insulation kits are ideally suited for the above or below ground insulation of chilled, domestic hot and process water piping up to a maximum service temperature of 86^oC (185^oF).

Kit Components:

- Polyurethane or polyisocyanurate inner form fitting insulation halfshells.
- Polymer coating on all surfaces.
- Silicone caulking for the seam between halfshells.

- 100mm or 150mm (4 in or 6 in) wide polyethylene adhesive backed butyl mastic tape shall be provided to provide a waterproof seal between the insulated pipe and kit.
- For above ground with metal Spiwrap jacket: kit includes a metal cover consistent with the pipe jacket*.

Insulation:

- Rigid polyisocyanurate or polyurethane foam.
- Density: (ASTM D 1622) 27 to 32 kg/m³ (1.7 to 2 lbs/ft³).
- Compressive Strength: (ASTM D 1621) 131 to 158 kPa (19 to 23 lbs/in²).
- Closed Cell Content: 90% minimum.
- Water Absorption: 4% by volume.
- K factor: (ASTM C 518) 0,027 W/m^oC (0.19 Btu. In/ft².hr.0F).
- Thickness: shall match pipe insulation.

Polymer coating:

- Two component high density polyurethane coating, gray or black in color.
- Density: 1170 kg/m³ (73 lbs/ft³).
- Durometer D scale 60.
- Tensile strength: 11,000 kPa (1610 lbs/in²).
- Tear strength: 26,5 N/mm (151 lbs/in.).
- Thickness: flash coat interior surface, 0,7 mm (20 mils.) exterior surface; Urecon BL-20-20EP.

Insulation kits for Polymer coating Submittal data sheet cont'd.

Butyl mastic tape:

- To seal seams between pre-insulated pipe and kit.
- Width: 100mm (4 in.) or 150mm (6 in.).
- Backing: Low density Polyethylene.
- Adhesive: Butyl rubber and resin.
- Thickness: 0,90 mm (35 mils).
- Meets AWWA C-209 Standard.
- Note: Butyl mastic tape not required for above ground application with metal covers.

Fitting kit configurations:

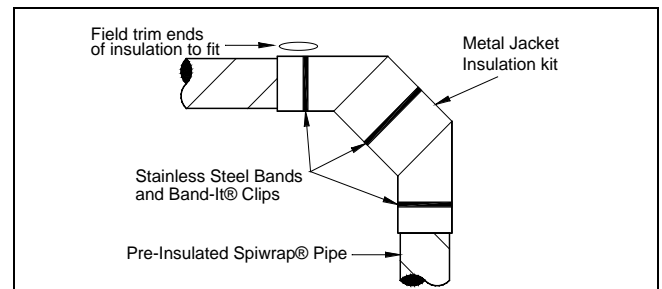
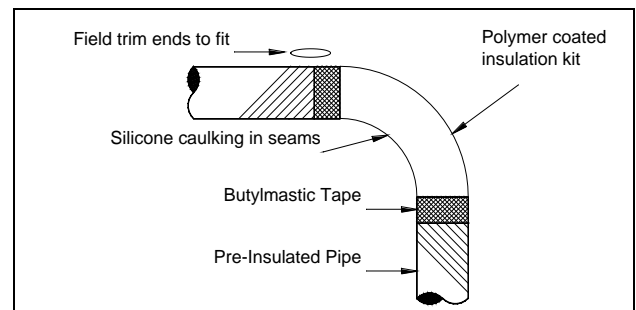
Urecon insulation kits are manufactured to suit the fitting and accommodate the factory insulation cut-back on the adjacent pipes.

These are:

- Butt-welded steel @ 150mm (6 in.)
- All solvent weld or Bell x Spigot jointed pipe @ spigot insertion depth.
- Butt-fused HDPE @ 225mm (9 in.)
- Soldered copper @ 75mm (3 in.) for up to 37mm (1½ in.), and 150 mm (6 in.) for 50 mm (2 in.) and larger.

***Metal Cover:**

- Two piece pre-formed metal with extension legs to suit.
- All metal overlaps shall be 50mm (2 in.) minimum and shall be field installed in such a way as to shed water.
- Stainless steel straps and Band-it® clips.
- Note: Butyl mastic tape not required for above ground application with metal covers.



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