

## Submittal Data

### Insulation Kits for Spiwrap<sup>®</sup> System

Urecon factory fabricated insulation kits are easy to field install and provide equivalent insulation value to 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 include a metal cover consistent with the pipe jacket.

#### **Application:**

Urecon form fitting insulation kits are ideally suited to compliment our above ground Spiwrap<sup>®</sup> system up to a maximum service temperature of 149<sup>o</sup>C (300<sup>o</sup>F).

#### **Kit Components:**

- Polyurethane or polyisocyanurate inner form fitting insulation half shells.
- Split metal cover consistent with the jacket material on the pipe.
- Stainless steel bands and Band-it<sup>®</sup> clips.

#### **Insulation:**

- Rigid polyisocyanurate or polyurethane foam.
- Density:(ASTM D 1622) 27 to 32 kg/m<sup>3</sup> (1.7 to 2 lbs/ft<sup>3</sup>).
- Compressive Strength: (ASTM D 1621) 131 to 158 kPa (19 to 23 lbs/in<sup>2</sup>).
- Closed Cell Content: 90% minimum.
- Water Absorption:4% by volume.
- K factor:(ASTM C 518) 0,027 W/m<sup>o</sup>C (0.19 Btu. In/ft<sup>2</sup>.hr.0F).
- Thickness: shall match pipe insulation.

#### **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<sup>®</sup> clips.

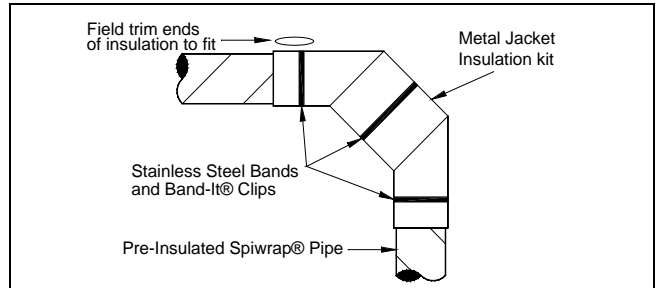
#### **Fitting kit configurations:**

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.
- Solvent weld PVC or CPVC @ flush with bell end and insertion depth on spigot end.

- Gasket joint PVC, CPVC or Ductile iron are usually mechanically restrained when used above ground. The cut-back provided varies with the method of restraint used.



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