DETAILED SPECIFICATION

Insulation kits with polymer coating for above grade fittings

1. GENERAL

Insulation kits for fittings shall consist of rigid polyisocyanurate or polyurethane foam half shells with a heavy polymer protective coating on the outside surfaces, as supplied by GF Urecon Ltd. The product shall be manufactured in accordance to ISO 9001 Standards, or approved equal.

2. INSULATION KITS FOR FITTINGS

All insulation kits shall be supplied complete with silicone caulking for seams, stainless steel bands and gear clamps. If the insulation shells are form hugging to the fitting, 152.4 mm *(6 in)* wide PE cover sheets with stainless steel bands and gear clamps shall be supplied for each end of the kit.

a) Rigid polyisocyanurate or polyurethane foam

1. Density: (ASTM D1622) 32 kg/m³ *(2.0 lbs/ft³)*.
2. Compressive strength: (ASTM D1621) 124 to 186 kPa (18 to 27 lbs/in²).
3. Closed cell content: (ASTM D2856) 90%, minimum.
4. Water absorption: (ASTM C272) 2.0% by volume.
5. K factor: (ASTM C518) 0.027 W/m°C (0.19 Btu • in/ft² • hr • °F).
6. Thickness: typically 50.8 mm (2 in), other thicknesses upon request, shall match pipe insulation thickness.

b) Polymer coating, GF Urecon BL-100-20EP

1. Two component high density polyurethane coating, black in color.
2. Density: 1170 kg/m³ *(73 lbs/ft³).*
3. Durometer D scale 60.
4. Tensile strength: 11.10 MPa *(1610 lbs/in²).*
5. Tear strength: 26.5 N/mm *(151 lbs/in).*
6. Thickness: 2.54 mm *(100 mils)* outside surfaces, 0.51 mm *(20 mils)* inside surfaces.

Note: *Physical characteristics are nominal and may vary depending on pipe type and diameter.*

CANADA
75 boulevard Dupont
Coteau-du-lac (Québec) J0P 1B0
Tél: (450) 455-0961 Fax: (450) 455-0350
E-mail: urecon.can@georgfischer.com

5010 – 43rd Avenue
Calmar (Alberta) T0C 0V0
Tel: (780) 985-3636 Fax: (780) 985-2466
E-mail: urecon.can@georgfischer.com

WEB SITE: www.urecon.com

I S O 9 0 0 1 Registered Company

UNITED STATES
Tel: (321) 638-2364
E-mail: urecon.usa@georgfischer.com

WEB SITE: www.urecon.com