**PIPE SECTIONS**

**KNAUF INSULATION THERMO-TEK PC 080\_090 ALU**

**Type of Insulation:**

Cut mineral wool pipe section for the insulation of heating and water pipes.

The pipe section must have certifications and CE marking in accordance with EN 14303.

**Facing:**

The pipe section shall have a glass-fibre reinforced aluminium foil.

**Description:**

Cut mineral wool pipe section, faced with tear-resistant glass fibre reinforced aluminium foil.

**Main characteristics:**

1. Fire

The pipe section shall be non-combustible with the following reaction to fire according to
EN 13501-1:

A2L-s1, d0 for external diameter ≤ 300 mm

A2-s1, d0 for external diameter > 300 mm

2. Thermal

The thermal conductivity λ-value shall be according to EN ISO 8497:

0,041 W/(mK) at 50 °C

0,050 W/(mK) at 100 °C

0,061 W/(mK) at 150 °C

0,076 W/(mK) at 200 °C

0,111 W/(mK) at 300 °C

The maximum service temperature is measured according to EN ISO 18096 and shall be minimum
600 °C.

3. Chemicals

AS quality, according to EN ISO 12624: content of chlorides less than 10 ppm.

4. Dimensional tolerances

The dimensional tolerance class shall be T8 for pipes < 150 mm and T9 for pipes ≥ 150 mm external diameter according to EN 14303.

5. Other certifications

RAL certification.

6. Other requirements

Water vapour diffusion equivalent air layer thickness, according to EN ISO 12629: Sd ≥ 200 m.

Water absorption, according to EN ISO 12623: maximum 1 kg/m².

Melting point of fibres, according to DIN 4102-17: ≥ 1000 °C.

**EN designation code:**

MW-EN14303-T8-ST(+)600-WS1-MV2-CL10 (external diameter < 150 mm)

MW-EN14303-T9-ST(+)600-WS1-MV1-CL10 (external diameter ≥ 150 mm)

**Standard Dimensions:**

Pipe section length shall be 1000 mm.

Pipe section thickness shall be: 20, 25, 30, 40, 50, 60, 70, 80, 90, 100, 120 mm.