**PIPE SECTIONS**

**KNAUF INSULATION POWER-TEK PB 640 ALU**

**Type of Insulation:**

Industrial Pipe Belt for the insulation of big pipelines.

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

**Facing:**

The Industrial Pipe Belt shall a have glass fibre reinforced aluminium foil on one side.

**Description:**

Pre-fabricated mineral wool pipe segment mat. The Industrial Pipe Belt is delivered as a flat board which enables compared to big size pipe sections space optimizing advantages in logistics and on site handling. The semi-product is an aluminium faced board. The mineral wool Industrial Pipe Belt shall use a mainly bio-based binder, e.g. Ecose Technology, contain no added formaldehyde and be certified under Eurofins Gold Indoor Air Comfort quality standards or equivalent.

**Main characteristics:**

1. Eurofins

Certification Indoor Air Comfort: Gold Standard

2. Fire

The Industrial Pipe Belt shall be non-combustible with the following reaction to fire according to   
EN 13501-1: A1

3. Thermal

The thermal conductivity λ-value shall be according to EN ISO 8497 at the mean temperature:

0,039 W/(mK) at 50 °C

0,046 W/(mK) at 100°C

0,054 W/(mK) at 150 °C

0,064 W/(mK) at 200 °C

0,077 W/(mK) at 250 °C

0,091 W/(mK) at 300 °C

The maximum service temperature is measured according to EN ISO 18097 and shall be minimum   
640 °C.

4. Chemicals

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

5. Dimensional tolerances

The dimensional tolerances class shall be T9 according to EN 14303.

6. Other certifications

RAL, M1

7. Other requirements

Water vapour diffusion resistance, according to EN 12086: Sd ≥ 200 m.

Water absorption, according to EN ISO 29767: maximum 1 kg/m².

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

**EN designation code:**

MW-EN14303-T9-ST(+)640-WS1-MV2-CL10

**Standard Dimensions:**

Industrial Pipe Belt length shall be 500 mm.

Industrial Pipe Belt internal diameter shall be between 356 and 1010 mm according to the pipe outside dimension.

Industrial Pipe Belt thickness shall be: 40, 50, 60, 70, 80, 90, 100, 120 mm.