**HIGH TEMPERATURE BOARDS**

**KNAUF INSULATION POWER-TEK BD 778**

**Type of Insulation:**

Mineral wool board with high compressive strength for the insulation of different types of roofs for industrial equipment.

The board must have certifications and CE marking in accordance with EN 13162.

**Facing:**

The board shall have no own facing.

**Description:**

Board with high compressive strength.

**Main characteristics:**

1. Fire

The board shall be non-combustible with the following reaction to fire according to
EN 13501-1: A1.

2. Thermal

The thermal conductivity λ-value depending on temperature shall be according to EN 12667:

0,040 W/(mK) at 10 °C.

3. Mechanical properties

Compressive strength σ10 shall be ≥ 80 kPa, according to EN ISO 29469.

4. Dimensional tolerances

The dimensional tolerance class shall be T5, according to EN 13162.

5. Other requirements

Water vapour diffusion resistance coefficient µ-value, according to EN 13162: µ= 1.

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

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

Longitudinal air flow resistance, according to EN 29053: ≥ 50 kPa∙s/m²

**EN designation code:**

MW–EN13162–T5–CS(10)80–WS1

**Standard Dimensions:**

High temperature board length shall be 2400 mm.

High temperature board width shall be 1200 mm.

High temperature board thickness shall be: 30 mm.