**ROLL**

**KNAUF INSULATION POWER-TEK RL 220**

**Type of Insulation:**

Mineral wool roll for the insulation of heat storage tanks.

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

**Facing:**

The roll shall have no own facing.

**Description:**

Mineral wool roll, for the insulation of heat storage tanks. The mineral wool roll 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 roll 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 12667:

0,034 W/(mK) at 10 °C

0,042 W/(mK) at 50°C

0,054 W/(mK) at 100 °C

0,067 W/(mK) at 150 °C

The maximum service temperature is measured according to EN ISO 18097 and shall be minimum   
220 °C.

4. Dimensional tolerances

The dimensional tolerance class shall be T2, according to EN 14303.

5. Density

Density will be 22 kg/m3, according to EN ISO 29470

5. Other requirements

Water vapour diffusion resistance coefficient µ-value, according to EN 14303: µ= 1.

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

Longitudinal air flow resistance, according to EN 29053: ≥ 5 kPa∙s/m²

**EN designation code:**

MW-EN14303-T2-ST(+)220-WS1

**Standard Dimensions:**

Roll length shall be: from 2100 mm to 6000 mm, depending on the thickness.

Roll width shall be 1200 mm.

Roll thickness shall be: 100, 140, 150, 160, 180, 200, 220, 240, 260, 280, 300 mm.