**FIRE PROTECTION BOARDS**

**KNAUF INSULATION FIRE-TEK BD 918**

**Type of Insulation:**

Mineral wool board for the fire protection and thermal insulation of rectangular air ducts.

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

**Facing:**

Without facing.

**Description:**

Mineral wool board,produced with a mainly bio-based binder, e.g. Ecose® Technology, contains 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 board shall be non-combustible with the following reaction to fire according to
EN 13501-1: A1.

The fire resistance class according to EN 13501-3 has to be El 30 (ve ho i↔o)-S with 30 mm thickness, as a part of Fire-teK Duct Protect 30 R System for rectangular air ducts, (fire resistance rating of 30 minutes for vertical and horizontal rectangular air ducts, with fire resistance from inside and outside the duct including smoke leaks).

3. Thermal

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

0,041 W/(mK) at 50 °C

0,045 W/(mK) at 100 °C

0,059 W/(mK) at 200 °C

0,072 W/(mK) at 300 °C

4. Chemicals

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

5. Density

Density shall be 120 kg/m³, according to EN ISO 29470.

6. Dimensional tolerances

The dimensional tolerances class shall be T5, according to EN 14303.

7. Additional Certifications

RAL certification

8. Others

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-T5-WS1-MV2-CL10

**Standard Dimensions:**

Board length shall be 1000 mm.

Board width shall be 500 mm.

Board thickness shall be 30 mm.