

## NBS Specification: ROCKWOOL Soffit Slab

### PRODUCT SUMMARY:

Robust stone wool slab for thermal, acoustic and fire insulation for concrete soffits

### PRODUCT GENERAL DESCRIPTION:

The Soffit Slab has been created to provide a cost-effective fire resistant and thermal insulation solution for structural elements such as concrete car park soffits. The Soffit Slab is manufactured from non-combustible rigid ROCKWOOL® board and has been designed with a variety of facings.

To suit requirements of design schemes, it is available with a black or white tissue facing, aluminium foil facing, un-faced and also with a non-combustible high impact board. The rigid ROCKWOOL insulation board also offers excellent thermal and acoustic performance - available in various thicknesses, it provides up to 4 hours protection, for concrete soffits. The ROCKWOOL® Soffit Slab is water repellent and breathable.

### FEATURES AND BENEFITS:

- Non-combustible stone wool insulation with a choice of facing options.
- Up to 4 hours fire resistance.
- Easily cut to accommodate services.
- Simply butt together at joints.
- Hi-impact option for durability.
- CE marked in accordance with BS EN 13162.

### Fire performance:

ROCKWOOL® Soffit Slab achieves a reaction to fire classification of A1 as defined in BS EN 13501-1. Soffit Slabs have been tested to BS 476:Part 21 to offer fire protection to reinforced concrete floors.

### THERMAL PERFORMANCE:

Thermal resistance of un-faced Soffit Slab:

- 130 mm Soffit Slab: 3.82 m<sup>2</sup>K/W.
- 145 mm Soffit Slab: 4.26 m<sup>2</sup>K/W.
- 160 mm Soffit Slab: 4.70 m<sup>2</sup>K/W.

A typical construction comprising of a 150 mm concrete floor slab underlined with 130 mm thick Soffit Slab would achieve a U-value of 0.25 W/m<sup>2</sup>K. A U-value of 0.20 W/m<sup>2</sup>K can be achieved using 160 mm thick Soffit Slab.

### SUITABLE FIRE RATED FIXINGS AVAILABLE FROM:

- EJOT Ltd
- Rawlplug Ltd
- ITW Construction Products

### APPLICATION:

The ROCKWOOL® Soffit Slab is a mineral wool fire resistant insulation that also offers important acoustic and thermal benefits for concrete soffits.

### PRODUCT SPECIFICATION CLAUSE

#### PRODUCT REFERENCE:

ROCKWOOL Soffit Slab

ROCKWOOL High-Impact Soffit Slab

#### PRODUCT PROPERTIES:

**Thickness:** 50mm, 70mm, 130mm, 145mm, 160mm, 136mm, 166mm

**Dimensions (Width & Length):**

- 600mm x 1000mm - plain, foil & tissue faced
- 600mm x 1200mm - high impact facing

**Facing:**

- Plain
- Foil Faced
- Tissue Faced – Black
- Tissue Faced – White
- High Impact

**Thermal conductivity:** [d] 0.034 W/mK.

**Fire performance:** [d] Euroclass fire rating A1

**CONTACT DETAILS:**

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