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 m²K/W.
• 145 mm Soffit Slab: 4.26 m²K/W.
• 160 mm Soffit Slab: 4.70 m²K/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/m²K. A U-value of 0.20 W/m²K 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

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