

**LOT 81300 JALAN DUTAMAS 1 (SOLARIS PACKAGE 1: OFFICE) UNDER CONCRETE FLAT ROOF
CONCRETE FLAT ROOF - SOFFIT LINER - THERMAL, ACOUSTIC & FIRE INSULATION**

| Item | Description | Unit | Qty | Rate (RM) | Amount (RM) |
|------|---|----------------|-----|-----------|-------------|
| | <p>For supply and installation of 50mm thick Wilhams Soffit Liner for upgrading of thermal and acoustic performance of concrete soffits, installed in accordance with the manufacturer's instructions. The plain slabs at 50mm thickness shall have been laboratory tested to BS EN 20354: 1993 Measurement of Random Incidence Sound Absorption and achieve the following minimum performance levels:- Frequency (Hz) - Absorption Coefficient 125Hz - 0.22, 250Hz - 0.68, 500Hz - 1.10, 1000Hz - 1.01, 2000Hz - 0.99, 4000Hz - 0.93. In addition the Wilhams Soffit Liner shall be rated non-combustible when tested in accordance with EN 13501-1 Class A1, manufactured within 500km of the project site and achieve a system 'U' Value of 0.6 W/m²K when calculated in accordance with the architects typical double slab RC Flat Roof detailed drawing in accordance with BS EN ISO 6946 (the combined method). The 50mm thick Wilhams Soffit Liner shall be installed using perforated pins which are mechanically fastened to the concrete soffit and the Slabs shall be applied and held in place using steel locking washers. All slab to slab joints shall be tightly butt jointed and finished with a self adhesive foil tape.</p> | | | | |
| 1 | The Wilhams Soffit Liner Slab shall be installed, in the manner above, under the soffit of all the concrete flat roofs and in accordance with the architects instructions. | m ² | | | rate only |
| 2 | Silicone sealant shall be applied to all butt edges of the slab to slab joints, the slab to concrete soffit joints and the slab to partition head / ceiling joints, to form a tight bond. | Inc | | | |
| 3 | The contractor shall install 600mm of Wilhams Soffit Liner Slab vertically down the walls and cover any beams and columns for a minimum of 600mm | Inc | | | rate only |
| 4 | Any M & E penetrations through the 50mm thick Wilhams Soffit Liner Slab shall be no greater than 2mm wider than the dimensions of the M & E service penetrating the slab. All slab to service joints shall be silicone sealed for a minimum depth of 10mm and finished with a minimum 50mm wide self adhesive foil tape covering the joint. | | | | |
| | The materials shall be installed at following locations: - | m ² | | | |
| 5 | Other items required to complete the work but not shown in drawing / specification: | | | | |
| a | | sum | | | |

| | | | | | |
|-----------------------|-------|-----|--|--|--|
| b | | sum | | | |
| c | | sum | | | |
| TOTAL AMOUNT : | | | | | |