Fyreguard Fire Rated Ventilated Downlight Assembly for Incipient Spread of Fire Ceiling

Legend
1. Fire Rated Box
2. Intumescent Grafitex Breather Hole (45mm Diam. OD)
3. Electrical Cable
4. Down Light Fitting
5. Downlight Diffuser
6. Fire-Rated Ceiling
7. FyreSeal Mastic Seal
8. 25 x 25mm Steel Angle

Description
The Fyreguard Fire Rated Ventilated Downlight Assembly is designed to retain the integrity & insulation value of a Fire Rated Ceiling that has been fitted with downlights. The box has been tested to A.S. 1530.4 to provide a X/X/X FRL in Fire Rated Ceilings. The box is fitted with a Grafitex Breather Hole containing a 25mm uPVC Tube which allows for heat dissipation and seals off in the advent of fire. The box is fitted with a 25 x 25mm steel angle each side that spans over existing joints to eliminate any load onto the ceiling sheeting. These angles are then screw fixed onto joists and a FyreSeal Mastic Bead installed to the joint, to form a permanent fixing. Any subsequent removal of the box for repairs etc. can be achieved by removing the screws in the joists & breaking the mastic seal which can then be reinstated.