

Reduce Heat Build-up in Ceiling Voids

The design principal was to avoid heat loss into the plant room (which took up the entire top floor) in order to have a more energy efficient building. The traditional solution would have been to have an insulated plant room floor but this is very costly and also presented loading issues for some of the heavy plant items. The solution arrived at was “**Superquilt Insulation**” fixed directly to the soffit.



Superquilt Insulation;

- Has a U value of 0.16w/m2k. The equivalent value using a traditional fibreglass product would have to be 250mm thick to achieve the same rating; Superquilt is only 25mm thick, thus creating an additional 225mm of usable ceiling space.
- One man can fit the product on his own.
- Eliminates the need for any additional PPE.
- Hangers for ductwork, racks and cable trays etc, can still be fixed to the soffit simply by drilling through the insulation.
- Extremely lightweight and manageable.
- Less on-site storage space required.

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