CGS
Australian Insulation Specialists

Case Study

Frankston Hospital

Application	Hospital
Client/Owner	Peninsula Health
Specifier	BBP Architects
Location	Frankston, Victoria
Requirements	Speed of construction, durability, thermal performance, cost effectiveness
Product Supplied	THERMOMASS Building Insulation System, 50mm
Completion Date	2010

The new wing of the Frankston Hospital is a highly thermally efficient piece of public infrastructure. Frankston Hospital's striking concrete design by BBP Architects is also a thermally intelligent one.

The use of THERMOMASS insulated concrete sandwich panels means there is a high amount of thermal mass on the inside of the insulation envelope. This mass as the ability to absorb and release heat energy through the swings of the day and night, passively regulating the temperature with a minimum of extra heating and cooling.

Concrete is the perfect choice for large scale projects as it is quick to build and is practically indestructible. The THERMOMASS system means that the panel is insulated as it is built, eliminating bulk insulation and plaster installers on-site, greatly reducing the cost. This makes a THERMOMASS wall as cost-effective or even more cost effective than a conventional plasterboard wall assembly.

The connectors the form the core of the THERMOMASS system are completely compatible with concrete, eliminating risk of cracking and spalling caused by imitation products. THERMOMASS is versatile, efficient, scientifically sound, and comes with the assurance of 30 years of use.