REHAU COOLBOARD
LOW TEMPERATURE CHILLED CEILING SOLUTION

www.rehau.co.uk/coolboard
REHAU CoolBoard is a new chilled ceiling system designed to provide a cost effective and energy efficient heating and cooling solution in commercial environments with suspended ceilings.

REHAU CoolBoard is the first one piece system in the UK with polymer pipework pre-embedded into plasterboard panels. It features pre-drilled fixing holes to make it fast and easy to install and offers a simple and permanent jointing system. There are 2 types of REHAU CoolBoard, the standard which has a cooling capacity of up to 65W/m², and a high performance version, featuring graphite particles embedded in the board offers a cooling capacity of up to 75W/m².

REHAU CoolBoard is suitable for the following applications:
- Offices, Meeting Rooms, Open plan areas
- Hospitals
- Medical Centres

REHAU CoolBoard offers the following features & benefits:
- Uses REHAU EVERLOC™ jointing system - no leaks
- Pre-drilled fixing holes on each panel
- Fast & easy installation
- Uses low flow temperatures so works well with underfloor heating, using less energy and lower operating costs
The Crystal, a Sustainable Cities Initiative by Siemens, located in London’s Royal Victoria Dock, is the first building in the UK to use the REHAU CoolBoard Chilled Ceiling System.

Two 30m² conference rooms in London’s newest landmark have been fitted with REHAU’s new high performance chilled ceiling panels to provide efficient and effective localised cooling.

The chilled beams used elsewhere could not be used for the conference rooms where suspended ceilings were required so the consultants looked for an alternative solution which offered comparable levels of efficiency.

After a CPD presentation from REHAU, they chose the new high performance chilled ceiling solution which comprises plasterboard panels with grooves milled into them to accommodate loops of pre-integrated 10mm RAUTHERM S PE-Xa pipework.

The panels are pre-assembled with the pipe in loops and come complete with an extensive range of fittings to secure the boards to the suspended ceiling hardware. The pipe tails are connected into a manifold system to the supply of chilled water using REHAU EVERLOC™ compression sleeve fittings which guarantees no leaks.

At the Crystal, the panels are linked to the supply of chilled water generated by a reversible ground source heat pump with chiller unit attached and operate in line with the BREEAM Outstanding assessment which the building has achieved.

REHAU CoolBoard was installed by M&E contractors Lorne Stewart. Installation was quick and easy thanks to the pre-assembled ceiling element and the predrilled fixing grid. There are also four board sizes available in the system which means it is simply to configure the system to fit the required ceiling space.
OTHER REHAU PRODUCTS
ENERGY EFFICIENT BUILDING SOLUTIONS

Acoustic Chilled Ceiling
Underfloor Heating
Heating and Plumbing Systems

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