



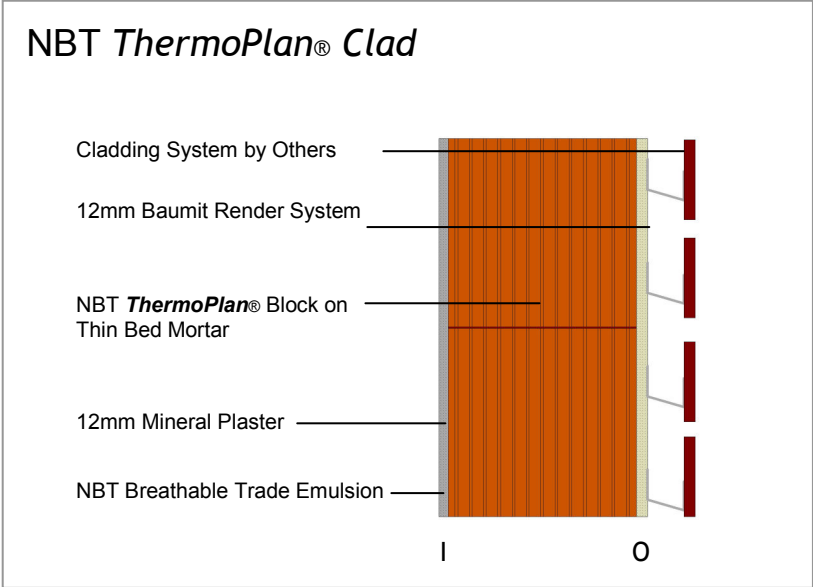
Thermoplan

NBT ThermoPlan® Clad | System description:

NBT ThermoPlan® Clad system is a thin bed insulated structural solid wall finished with claddings such as stone, brick, timber, rainscreen systems etc.

Other system options available are a rendered system as *NBT ThermoPlan®* and a superinsulated system with external insulation as *NBT ThermoPlan® Plus*.

The ThermoPlan® blocks are fired aerated clay, planed to a tolerance of less than 1mm. The systems come with a full range of lintels, corner blocks, make up blocks, insulating mortar, ties, fixings etc. The render systems are mineral, and are specially designed and guaranteed for the blocks.



System Application:
 NBT ThermoPlan® Systems are suitable for low rise buildings (up to 4 storeys) of all kinds including housing, flats, offices and schools, Insulated basements and cellars can also be built with NBT ThermoPlan® systems, with suitable tanking. NBT ThermoPlan® systems can also be used as infill in high rise and large span buildings. Please contact NBT for more details.



- System Benefits:**
- Excellent thermal and airtightness performance, complying to new part L
 - Modern Method of Construction, easy and foolproof
 - Very quick construction: typically 3 times faster than cavity walling
 - Highly cost efficient
 - Simple, robust detailing with full systems parts
 - Breathing construction
 - Full design and site support from NBT
 - List of approved applicators
 - Tried and tested system, fully certified

- Environmental Performance:**
- BRE Green Guide rating: A
 - 30% less embodied CO2 than comparable cavity wall
 - Non-toxic and sustainable materials



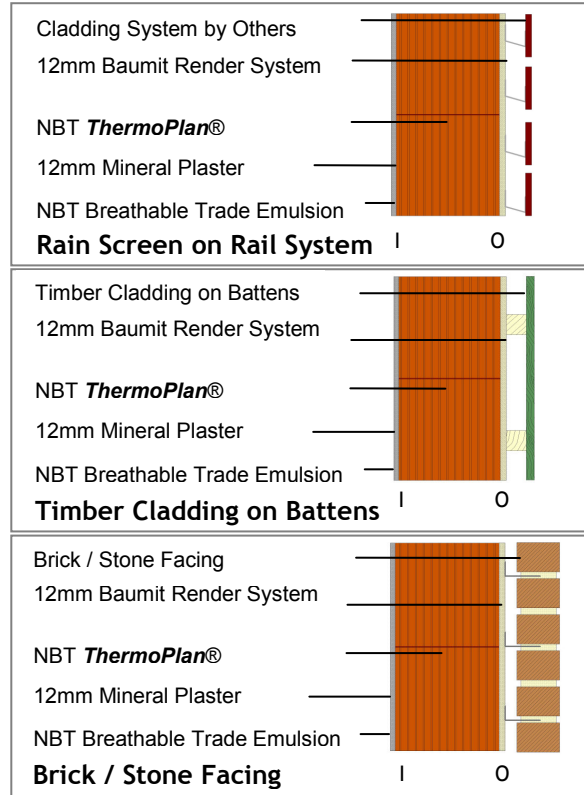
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Technical details: Thermal values

NBT ThermoPlan® Clad

NBT ThermoPlan® Block		K-Value (W/mK)	U-Value (W/m²K)
ZT9 ZV9	300mm Wide	0.09	0.28
	365mm Wide	0.09	0.23
	425mm Wide	0.09	0.20
ZT11 ZV11	240mm Wide	0.11	0.42
	300mm Wide	0.11	0.34
	365mm Wide	0.11	0.28
	425mm Wide	0.11	0.25
	490mm Wide	0.11	0.21

* U-Values Shown Exclude Cladding System



Full System Components:

External walling: Corner blocks, reveal blocks, make up blocks, insulated clay lintels, blocks for ring beams, make-up blocks.

Mortars: Thin bed mortar is provided free with the blocks. Insulated mortar is available for cuts and repairs.

Internal walling: Acoustic load bearing Thermoplan blocks and mortar for partitions and party walls

Ties and fixings: For linking walls, fixing of wall plates, windows, battens, rail systems etc.

Renders: Compatible, guaranteed sealing render coat.

Plasters: A range of guaranteed lime, clay and lime cement and gypsum internal plasters.

NBT Support:

Design support: Full design support including assistance with detailing, thermal and other calculation, suggested engineering details

Training: either at NBT or on site for applicators, site managers etc

Site Support: NBT will assist on site, giving advice on technical, application and quality issues. NBT have a service to work with contractors who are new to the product with full training available.

Approved Applicators: NBT have a list of trained and approved applicators for the various systems processes.

