



Thermoplan

NBT ThermoPlan® PlusClad | System description:

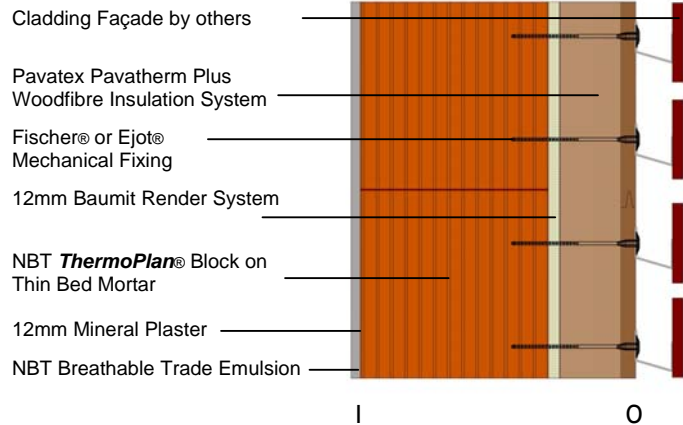
NBT ThermoPlan® PlusClad system is a thin bed insulated structural solid with a layer of Pavatex Pavatherm Plus Woodfibre insulation to form a superinsulated solid breathable wall section with excellent heat storage capacity.

ThermoPlan PlusClad is suitable for most cladding systems, timber, tile hung, rain screen systems or brick or stone façades with a drainage cavity.

Other system options available are a rendered system as *NBT ThermoPlan®* and a Clad version as *NBT ThermoPlan® Clad*.

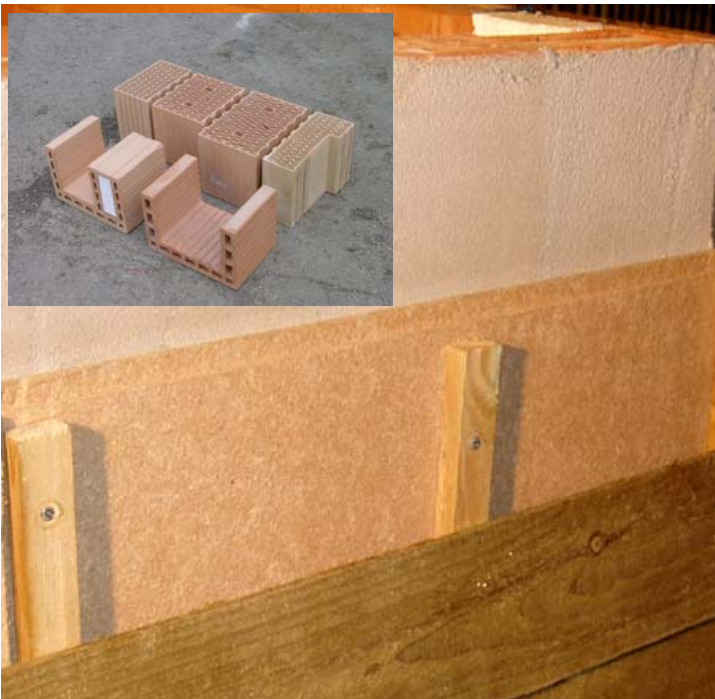
The ThermoPlan® blocks are fired aerated clay, planed to a tolerance of less than 1mm. The systems come with a full range of lintels, corner blocks, make up blocks, insulating mortar, ties, fixings etc.

NBT ThermoPlan® PlusClad



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® Plus systems are particularly suitable 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:

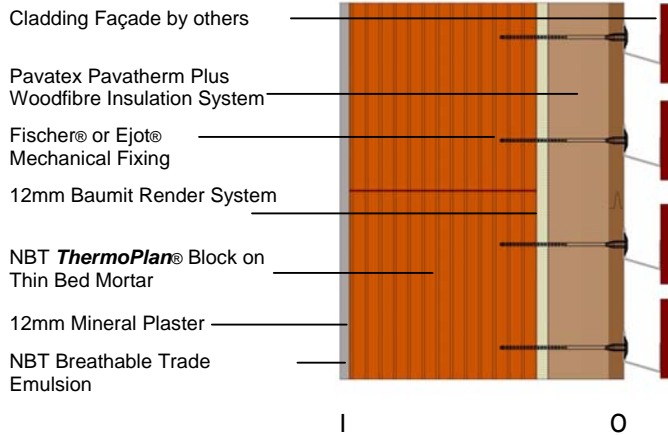
- BRE Green Guide rating: A
- 30% less embodied CO2 than comparable cavity wall
- Non-toxic and sustainable materials



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Technical details: Thermal values

NBT ThermoPlan® PlusClad



U-Values (W/m²K)

U-Values shown rounded up/down

NBT ThermoPlan® Block		+ 60mm PAVATHERM-PLUS+	+ 80mm PAVATHERM-PLUS+	+ 100mm PAVATHERM-PLUS+
ZT9 ZV9	300mm Wide	0.20	0.19	0.17
	365mm Wide	0.18	0.16	0.15
	425mm Wide	0.16	0.15	0.14
ZT11 ZV11	240mm Wide	0.27	0.24	0.21
	300mm Wide	0.23	0.21	0.19
	365mm Wide	0.20	0.19	0.17
	425mm Wide	0.18	0.17	0.16
	490mm Wide	0.17	0.15	0.14

Calculation of ψ (psi) and γ values is available for specific build ups, enabling better thermal/ carbon assessment according to New Part L.

Full System Components:

Walling: External and Internal wall systems. Corner blocks, reveal blocks, make up blocks, insulated clay lintels, blocks for ring beams, wall ties.

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

Insulation boards: Interlocking, waterproof Pavatherm Plus boards (60,80,100mm), square edged backing insulation Pavatherm boards (20 to 100mm) and plinth and reveal boards.

Fixings, tracks and tapes: Insulated screw and staple fixings, along with starter tracks, and sealing tapes

Plasters and paints: Breathing mineral based (including clay) plasters and environmental paints for internal upgrading of walls if required.

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.

