



NORSCOT ENERGY SAVING TIMBER FRAME HOUSE KITS

Standard specification for our EcoWall™ timber frame package

General

All structural timbers are stress graded whitewood and pressure treated with preservative to protect against rot and fungal attack.

Ground Floor (U-value 0.12 W/m²K)

Concrete ground floor construction, with 150 mm insulation, by others.

External Walls (U-value 0.15 W/m²K; optional EcoWall Plus - U-value 0.11 W/m²K)

45 x 145 mm Wall plates and M8 x 100 mm anchor fixings.

Prefabricated external wall panels comprising 45 x 145 mm framing at 600 mm centres, clad externally with 9 mm OSB sheathing and low-emissivity insulating breather membrane.

38 x 50 mm Fire stops.

Stainless steel holding down straps and wall ties.

45 x 145 mm Head binders.

140 mm 'Earthwool®' mineral wool insulation quilt with 'Ecoose®' technology within walls.

50 mm PIR foil faced insulation board inside walls.

Airtight vapour control layer and joint tape inside walls.

45 x 45 mm Strapping to form services cavity inside walls, in random lengths.

12.7 mm Plain plasterboard.

Redwood skirtings.

First Floor (where applicable)

45 x 220 mm Floor joists @ 600 mm centres and blocking pieces, cut to length.

22 mm P5 Moisture resistant tongued and grooved chipboard flooring.

38 x 50 mm Ceiling dwangs, in random lengths.

100 mm 'Earthwool®' mineral wool insulation quilt with 'Ecoose®' technology.

25.4 mm (2 x 12.7 mm) Plain plasterboard for ceiling.

Roof (U-value 0.10 W/m²K)

Prefabricated, roof trusses and fixing clips.

25 x 100 mm Longitudinal and diagonal wind bracing.

Loose timbers and platform to form cold water storage tank stand.

Prefabricated gable ladders comprising 45 x 95 mm framing.

20 x 150 mm White PVC bargeboards to gables.

20 x 150 mm White PVC fascia boards to eaves.

10 mm White PVC soffit board to eaves and gables.

PVC continuous over fascia and cross-flow roof ventilation units.

9 mm OSB roof sarking boards and roof membrane (for concrete tile roofing).

12 x 38 mm Roof tile counter battens.

25 x 50 mm Roof tile fixing battens.

420 mm (3 x 140mm) 'Earthwool®' mineral wool insulation quilt with 'Ecosse®' technology.

12.7 mm Plain plasterboard for ceiling.

Pre-assembled roof space ceiling hatch and telescopic aluminium ladder.

Windows & External Doors (U-value 1.40 W/m²K - more efficient glazing options available)

White PVCu high performance double glazed (Low-E glass and Argon gas filled with toughened safety glass if within 800mm of floor) top-hung casement windows with locking handles and trickle vents.

White PVCu entrance door set(s) comprising 'Loch' range 'Tay with double moulded bottom panel' (front) and 'Shin with vertical lined bottom panel' (back) double glazed (toughened Low-E safety glass and Argon gas filled) door, hung in fully weather-stripped frame with multi-point locking system. Front door to have letter box fitted in addition.

White PVCu French door set(s) comprising 'Loch' range 'Watten' double glazed (toughened Low-E safety glass and Argon gas filled) doors hung in fully weather-stripped frame with multi-point locking system (if applicable). *NB Rebate to meeting stile formed with face fixed cover fillets inside and out and slave door fitted with face fixed flush bolts, to facilitate multi-point lock.*

White PVCu in-line, sliding, double glazed (toughened Low-E safety glass and Argon gas filled) patio door set(s) (if applicable).

25 mm PIR foil faced insulation board to ingoes.

Airtight vapour control layer and joint tape to ingoes.

12.7 mm Plain plasterboard to ingoes.

Redwood bull-nosed projecting cill board and apron for windows.

Internal Partitions

Prefabricated partition panels comprising 45 x 70 mm framing at 600 mm centres.

60 mm 'Earthwool®' mineral wool acoustic insulation quilt with 'Ecosse®' technology for sound deadening.

12.7 mm Plain plasterboard, generally.

12.7 mm Moisture resistant plasterboard for shower areas.

Redwood skirtings.

Internal Doors

Internal door sets comprising 'Koto' pine coloured (pre-finished) flush door(s) hung in redwood frame with fitted latch / lock and brass coloured 'Victorian' lever handles, supplied loose, generally. *NB Double doors to wardrobes / stores to be fitted with roller catches and 'D' handles, in lieu.*

Redwood facings.