

GREEN GUIDE ONLINE CALCULATOR TOOL

Available Components List (Grouped)

For step by step instructions on how to use the tool please see the separate guidance document GD094 available from www.thegreenguide.org.uk.

NOTE: For an Element Specification to comply with the regulations set out in the BREEAM/EcoHomes/Code for Sustainable Homes, a generic type of insulation must be assumed. The components which contain this insulation material are marked with a * character at the end of the description.

The Green Guide Calculator Components List (Grouped)

Group Component Description

Base/Subbase - Aggregate

Aggregate, hardcore base & sub-base, blinding, 150mm

Recycled aggregate, hardcore base & sub-base

Battens/Joists/Studs - Glass wool

Proprietary foil faced glass wool acoustic batt (E-WM-17)

Battens/Joists/Studs - MDF

MDF battens, 5 kg/m²

Battens/Joists/Studs - Metal

Metal stud for plasterboard lining (1.08 kg/m²)

Metal stud infill, 100x50mm (non structural)

Metal stud infill, 150x50mm (non structural)

Battens/Joists/Studs - Steel

Cold rolled steel joists

Joists, cold rolled steel, galvanised

Steel jumbo stud

Steel studwork, 100mm

Steel studwork, 48mm

Steel studwork, 75mm

Battens/Joists/Studs - Timber

Preserved timber joists, firrings, for flat roofing (70 yrs)

Preserved timber joists, firrings, for flat roofing (80 yrs)

Timber battens, 38x38mm, 450mm c/c (35 yrs)

Timber battens, 38x38mm, 450mm c/c (80 yrs)

Timber battens, 5 kg/m²

Timber battens, 50x38mm, 450mm c/c (30 yrs)

Timber battens, 50x38mm, 450mm c/c (35 yrs)

Timber battens, 50x38mm, 450mm c/c (45 yrs)

Timber battens, 50x38mm, 450mm c/c (50 yrs)

Timber battens, 50x38mm, 450mm c/c (70 yrs)

Timber Battens, less than 600mm c/c, Horizontal or Vertical

Timber I joist, 240mm min

Timber I joists

Timber joists, C16, 40mm c/c

Timber joists, C24, 400mm c/c

Timber joists, solid, E-FT-2

Timber stud infill, 140x38mm (non structural)

Timber studwork, 37x75mm (420kg/m³), 400mm c/c

Cavity - Airspace

Cavity (any size)

Group	Component Description
Cladding & Roof Covering - Aluminium	
	Aluminium cladding support frame
	Aluminium standing seam (single skin)
	Aluminium standing seam roofing (single skin)
	Built up, coated aluminium standing seam, aluminium liner, insulation, steel supports *
	Built up, profiled, coated aluminium standing seam, steel liner, mineral wool insulation *
	Built up, profiled, mill finish aluminium outer and liner, mineral wool insulation *
	Coated aluminium weather sheet, coated galv. steel inner sheet, PU insulation, steel supports
	Extruded aluminium cladding rail system
	Mill finish aluminium weather sheet, coated galv. steel inner liner, PU insulation, steel supports
	Powder coated aluminium with steel liner, pentane PIR/PUR insulation
	Profiled roof cladding, coated aluminium weather sheet and liner, mineral wool insulation *
Cladding & Roof Covering - Asphalt	
	Asphalt roofing, 20mm, sheathing felt
Cladding & Roof Covering - Brick	
	Brick slips, 25mm
Cladding & Roof Covering - Calcium silicate	
	Calcium silicate board, 10mm
Cladding & Roof Covering - Ceramic tile	
	Ceramic tile paving 20mm
Cladding & Roof Covering - Clay tile	
	Cladding, plain clay tile, battens, building paper
	Plain clay tiles, battens, counter battens, roofing underlay, pitched
	Reclaimed clay tiles, battens, counter battens, roofing felt, pitched
Cladding & Roof Covering - Concrete	
	Cladding, concrete interlocking tiles, battens, building paper
	Concrete interlocking tiles, battens, counter battens, roofing felt, pitched
	Concrete paving slabs, permable membrane (30 yrs)
	Concrete paving slabs, permable membrane (35 yrs)
	Concrete paving slabs, permable membrane (50 yrs)
	Plain concrete roof tiles, battens, pitched
Cladding & Roof Covering - Copper	
	Built up, copper standing seam, coated steel liner, mineral wool insulation *
	Cladding, angle seamed copper, temperate plywood (636-2) sheathing
	Cladding, copper 1.5mm, steel supports
	Cladding, copper outer, steel inner, insulation, steel supports *
	Cladding, copper outer, steel inner, stone wool insulation, steel supports
	Cladding, copper, 1mm, steel fixing rails
Cladding & Roof Covering - Fibre cement	
	Cladding, autoclaved fibre cement sheet, anodised aluminium inserts
	Cladding, autoclaved fibre cement sheet, steel rails
	Cladding, autoclaved fibre cement sheet, timber battens, counter battens

Group	Component Description
	Cladding, fibre cement sheet, aluminium framework
	Fibre cement slates, battens, counter battens, roofing felt, pitched
Cladding & Roof Covering - Glass reinforced	
	Glass reinforced concrete panel 23mm, stainless steel fixings
	Glass reinforced concrete panel, 23mm, stainless steel fixings
	Glass reinforced plastic (GRP) cladding, aluminium support
Cladding & Roof Covering - HPL	
	Rainscreen cladding, high pressure laminate (HPL) resin impregnated cellulose, steel support
	Rainscreen cladding, high pressure laminate (HPL) resin impregnated cellulose, timber battens
Cladding & Roof Covering - Lead	
	Code 5 Lead sheet & wood cored roll, building paper, plywood - Flat Roof only
	Code 5 Lead sheet & wood cored roll, building paper, plywood - Low Pitched Roof only
	Code 5 Lead sheet & wood cored roll, building paper, plywood - Standard Pitched Roof only
	Code 5 Lead sheet & wood cored roll, building paper, plywood, battens - Wall Cladding only
	Code 5 Lead sheet & wood cored roll, OSB - Flat Roof only
	Code 5 Lead sheet & wood cored roll, softwood, geotextile underlay - Flat Roof only
	Code 5 Lead sheet & wood cored roll, softwood, geotextile underlay - Standard Pitched Roof only
	Code 5 Lead standing seam, plywood (softwood) - Warm Roof
Cladding & Roof Covering - Natural Stone	
	Cladding, limestone handset
	Cladding, limestone precast
	Granite cladding or roof covering
	Granite for precast cladding
	Limestone split stone, 75mm
	Rainscreen cladding, imported granite, stainless steel support
	Rainscreen cladding, imported Italian marble, stainless steel support
	Rainscreen cladding, limestone, stainless steel supports
	Rainscreen cladding, sandstone, stainless steel supports
	Sandstone facing
	Sandstone, split faced, 75mm
Cladding & Roof Covering - Pebbles	
	Pebbles, for roof covering
	Rounded pebbles, permeable membrane, for inverted deck roofs (35 yrs)
	Rounded pebbles, permeable membrane, for inverted deck roofs (50 yrs)
Cladding & Roof Covering - Photovoltaic	
	Photovoltaic roofing tiles, battens, roofing felt, pitched
	Photovoltaic tiles, wall cladding
Cladding & Roof Covering - Polyethylene	
	Rainscreen panel, Alpolic, PE sheet 3mm, aluminium sheets 2x0.5mm, HD PE breather membrane, steel support
Cladding & Roof Covering - Precast concrete	
	Cladding, precast concrete, loadbearing
	Cladding, precast concrete, non-loadbearing

Group Component Description

Cladding & Roof Covering - Proprietary

Angle seamed VM ZINC QUARTZ ZINC overlapping wall panels

Angle seamed VM ZINC QUARTZ ZINC PLUS cladding, plywood sheathing

Angle seamed VM ZINC QUARTZ ZINC PLUS cladding, temperate plywood 636-2 sheathing

Angle seamed VM ZINC QUARTZ ZINC PLUS roofing sheet

Angle seamed VM ZINC QUARTZ ZINC PLUS roofing, plywood sheathing, battens

Angle seamed VM ZINC QUARTZ ZINC PLUS roofing, temperate plywood 636-2 sheathing, battens

ARGETON Terracotta Rainscreen Cladding, aluminium support

CEMBRIT CZECH Fibre Cement Slates, battens, counter battens, roofing felt, 35° pitch

CEP PETRARCH 10mm External Cladding, aluminium support

CEP PETRARCH 10mm External Cladding, battens

CEP PETRARCH 10mm External Cladding, reinforced concrete frame

CEP PETRARCH 7mm External Cladding, aluminium support

CEP PETRARCH 7mm External Cladding, battens

CEP PETRARCH 7mm External Cladding, reinforced concrete frame

Cladding, 15mm extruded ceramic, aluminium rails, for KINGSPAN KS1000 AWP

Cladding, MEDITE ECOLOGIQUE MDF, battens, water based stain

Cladding, MEDITE EXTERIOR MDF, battens, water based stain

CUPA PIZARRAS SA, CUPA 12 Roof Slates, battens, felt, 35° pitch

CUPA PIZARRAS SA, CUPA 3 Heavy Roof Slates, battens, felt, 35° pitch

DUPONT CORIAN SHEET cladding, aluminium support

MARLEY ETERNIT CLAY PLAIN TILES ASHDOWN, battens, counterbattens, roofing underlay, 35 deg pitch

MARLEY ETERNIT CLAY PLAIN TILES ASHDOWN, vertical cladding, battens, building paper

MARLEY ETERNIT CLAY PLAIN TILES, battens, counterbattens, roofing underlay, 35 deg pitch

MARLEY ETERNIT CLAY PLAIN TILES, vertical cladding, battens, building paper

MEDITE ECOLOGIQUE MDF External Cladding Panel, waterbased stain, timber battens

MEDITE EXTERIOR MDF External Cladding Panel, waterbased stain, timber battens

RHEINZINK Angled Standing Seam, 0.7mm, 5.7kg/m²

RHEINZINK Double Standing Seam, 0.7mm, 5.7kg/m²

RHEINZINK Preweathered Flat-Lock Tile, 0.8mm, 7.5kg/m²

RHEINZINK Preweathered Flat-Lock Tile, 0.8mm, 7.5kg/m², temperate plywood (636-2)

RHEINZINK Preweathered Standing Seam, 0.8mm, 6.7kg/m², temperate plywood (636-2)

RHEINZINK Reveal Panel, 1mm, 10.4kg/m²

ROCKPANEL DURABLE PROTECT PLUS, aluminium rails

ROCKPANEL DURABLE PROTECT PLUS, timber battens

ROCKPANEL DURABLE, aluminium rails

ROCKPANEL DURABLE, timber battens

SANDTOFT BRITLOCK resin bonded slates, battens, roofing felt, pitched

SANDTOFT BRITSLATE COUNTESS resin bonded slates, battens, roofing felt, pitched

SANDTOFT BRITSLATE DUCHESS resin bonded slates, battens, roofing felt, pitched

VM ZINC QUARTZ ZINC standing seam roof sheet

VM ZINC QUARTZ ZINC standing seam roofing sheet

Group	Component Description
Cladding & Roof Covering - PVC	Weatherboarding, cellular pvc, battens
Cladding & Roof Covering - Recycled plastic	Recycled plastic tile
Cladding & Roof Covering - Render	Render, polymeric
Cladding & Roof Covering - Slate	Cladding, UK slate, stainless steel support
	Polymer modified cement slates, battens, counter battens, roofing felt, pitched
	Reclaimed slates, battens, counter battens, felt, pitched
	Resin bonded slates, battens, counter battens, roofing felt, pitched
	UK slates, battens, counter battens
	UK slates, battens, roofing felt, pitched
Cladding & Roof Covering - Steel	Built up, coated steel weather sheet and liner, mineral wool insulation *
	Coated aluminium sheet, HD PE breather membrane, insulation, steel rails *
	Coated galv. steel inner & outer sheets, mineral wool insulation, steel support system *
	Coated steel inner & outer profiled sheeting, polyurethane insulation, steel rails
	Coated steel inner & outer profiled sheeting, stone wool insulation, steel rails
	Coated steel profiled double skin cladding
	Coated steel profiled single skin cladding
	Coated steel sheet, HD PE breather membrane, insulation, steel rails *
	Coated steel weather sheet and liner, pentane PIR/PUR insulation
	Mill finish stainless steel weather sheet, coated galv. steel inner liner, PU insulation, steel supports
	Stainless steel weather sheet, coated galv. steel inner liner, insulation, steel supports *
	Steel support brackets
Cladding & Roof Covering - Terracotta	Cladding, terracotta, aluminium framework
	Terracotta tile
Cladding & Roof Covering - Timber	Cedar cladding or tile
	Cladding, timber, canadian western red cedar
	Weatherboarding, treated softwood
	Weatherboarding, treated softwood, battens
Floor Structure - Aluminium	Lattice beams, aluminium/timber
Floor Structure - Beam and Block	Beam and aircrete block flooring
	Beam and cellular dense block flooring
	Beam and dense block flooring
	Beam and dense block flooring, screed 50mm min.
	Beam and expanded polystyrene flooring

Group	Component Description
	Beam and extruded polystyrene, CO2 blown, block flooring
	Beam and extruded polystyrene, HFC blown, block flooring
	Beam and medium dense block flooring
Floor Structure - Ceiling	
	CT1/3, Metal ceiling system - 100 / 75mm void
	CT2, Timber battens, counterbattens
	CT4, Timber battens, metal resilient bars
	Plasterboard, 2 layers, 19 & 12mm, 150mm metal suspended ceiling, fixings
	Plasterboard, 2 layers, 2x15mm, 100mm metal suspended ceiling, fixings
Floor Structure - Composite	
	Lattice beams, steel/timber
Floor Structure - Floating floor treatment	
	FFT 1/2/3 OSB
	FFT 1/2/3 Plywood
	FFT 1/2/3/5 chipboard
	FFT 2 resilient cradle, batten, 22 or 18mm chipboard/OSB/plywood, PU foam
	FFT 4 a resilient overlay platform floor system
	FFT 4 b resilient overlay platform floor system
	FFT 4 c resilient overlay platform floor system
	FFT 6 composite platform type floating floor system
	FFT 7 gypsum screed 40mm, PE 500 guage, proprietary board 34mm
Floor Structure - In situ concrete	
	Fine aggregate 50mm, plastic membrane 1200g, sand blinding 50mm
	In situ concrete 100% RCA, ground floor slab
	In situ concrete 20% RCA, upper floor slab
	In situ concrete 30% PFA 100% RCA, ground floor slab
	In situ concrete 30% PFA 20% RCA, upper floor slab
	In situ concrete 30% PFA, ground bearing slab
	In situ concrete 30% PFA, upper floor slab
	In situ concrete 50% GGBS 100% RCA, ground floor slab
	In situ concrete 50% GGBS 20% RCA, upper floor slab
	In situ concrete 50% GGBS, ground floor slab
	In situ concrete 50% GGBS, upper floor slab
	In situ concrete 50mm 100%RCA, plastic membrane 1200g, sand blinding 50mm
	In situ concrete 50mm 30% PFA 100% RCA, plastic membrane 1200g, sand blinding 50mm
	In situ concrete 50mm 30% PFA, plastic membrane 1200g, sand blinding 50mm
	In situ concrete 50mm 50% GGBS 100% RCA, plastic membrane 1200g, sand blinding 50mm
	In situ concrete 50mm 50% GGBS, plastic membrane 1200g, sand blinding 50mm
	In situ concrete 50mm, plastic membrane 1200g, sand blinding 50mm
	In situ concrete slab, 175mm
	In situ concrete slab, reinforced
	In situ concrete, ground floor slab

Group	Component Description
	In situ concrete, oversight
	In situ concrete, oversight, 100% RCA
	In situ concrete, oversight, 30% PFA
	In situ concrete, oversight, 30% PFA 100% RCA
	In situ concrete, oversight, 50% GGBS
	In situ concrete, oversight, 50% GGBS 100% RCA
	In situ concrete, reinforced, deep profiled metal decking
	In situ concrete, reinforced, post tensioned slab
	In situ concrete, reinforced, ribbed slab
	In situ concrete, reinforced, shallow profiled metal decking
	In situ concrete, reinforced, upper floor slab
	In situ concrete, reinforced, waffle slab
	In situ reinforced concrete 50% GGBS, 20% RCA
Floor Structure - Precast concrete	
	Precast concrete floor slab, hollow, reinforced
	Precast concrete formwork, lattice reinforcement, in situ deck, polystyrene formers, upper floors
	Precast concrete formwork, lattice reinforcement, in situ deck, upper floors
	Precast concrete slab, prestressed, hollow, 200mm, 40mm bonded screed, E-FC-1
	Precast concrete slab, reinforced, hollow, 225mm, 40mm bonded screed, E-FC-1
	Precast concrete, 150mm
	Precast plank, 300mm
	Precast slab, prestressed, hollow
Floor Structure - Proprietary	
	HANSON JETFLOOR SUPER, HANSON T BEAM, VENCEL EPS BLOCK
	RACKHAM, beam and EPS block floor, 175mm
	RACKHAM, prestressed beam and aircrete block, 175mm
	RACKHAM, prestressed concrete beam and aircrete block, 225mm
Floor Structure - Steel	
	Steel floor cassette structure
	Steel floor cassette, chipboard, plasterboard
	Steel floor cassette, OSB, plasterboard
	Steel floor cassette, plywood, plasterboard
	Steel sections, twin beam
	Volumetric steel cassette floor and ceiling system, chipboard decking
Frame - Concrete	
	Concrete frame, reinforced
Frame - Steel	
	Light Steel Structure - 5 kg/m ²
	Light Steel Structure - 7.25 kg/m ²
	Steel partitions columns, enamelled
	Structural steel frame, heavy gauge

Group	Component Description
Frame - Timber	
	Timber structural frame, 140x45mm (420kg/m3)
Glazing & Curtainwalling - Aluminium	
	Aluminium base channel for frameless glazing system
	Curtain walling, aluminium type 1, frames, fixings
	Curtain walling, aluminium type 2, frames, fixings
	Curtain walling, aluminium type 3, frames, fixings
	Spandrel panel, aluminium, coated, pentane PIR/PUR ISP1
	Spandrel panel, aluminium, coated, polyurethane insulated ISP1
Glazing & Curtainwalling - Glass	
	Glass 6mm, foil faced
	Glass, 4mm, single glazing
	Glazing, 12mm
	Laminated sealed glass unit
	PTFE/ETFE coated glass cloth
Glazing & Curtainwalling - Polyurethane	
	Polyurethane, glue bonded (30 yrs) *
	Polyurethane, glue bonded (40 yrs) *
Glazing & Curtainwalling - Proprietary	
	Hardwood Veneered MEDITE ECOLOGIQUE frame, double glazed
	Hardwood Veneered MEDITE EXTERIOR frame, double glazed
	Hardwood Veneered MEDITE FR frame, double glazed
	Hardwood Veneered MEDITE MR frame, double glazed
	Hardwood Veneered MEDITE PLUS frame, double glazed
	Hardwood Veneered MEDITE PREMIER Frame, double glazed
	Hardwood Veneered MEDITE ULTRALITE frame, double glazed
Glazing & Curtainwalling - Steel	
	Galvanised steel support brackets (30 yrs)
	Galvanised steel support brackets (40 yrs)
Glazing & Curtainwalling - Timber	
	Double glazed softwood partition
	Hardwood veneered MDF frame, double glazed
	Hardwood veneered MDF frame, single glazed
	Laminated timber curtain walling type 5, mullions 1.5m spacing, 2 transoms, AL clamping strips, AL cover plate, fixings
	Laminated timber curtain walling type 7, mullions 2.4m spacing, 1 transom, AL clamping strips, AL cover plate, fixings
	Timber partition, softwood, single glazed
Insulation - Proprietary	
	Insulation, EXCEL WARMCELL, dry blown
	Insulation, EXCEL WARMCELL, wet blown

Group Component Description

Insulation - Structural

Foamed glass, 200mm

Proprietary foil faced glass wool acoustic batt (E-WM-8)

Straw bale or thatch

Insulation - Thermal/Acoustic

100mm mineral wool quilt

Cork resilient layer, 8mm

Glass wool insulation, 50mm, 12.9kg/m³

Glass wool insulation, 60mm, 35kg/m³

Insulation - cavity partial fill *

Insulation board, XPS CO₂ blown

Insulation Board, XPS CO₂ blown, 10mm

Insulation board, XPS HFC blown

Insulation for beam and aircrete block with decking *

insulation for beam and aircrete or lightweight block for use with screed above *

Insulation for beam and lightweight block with deck above *

Insulation for classroom walls, 25mm, 36 kg/m² *

Insulation for cold deck roof *

insulation for concrete ground floor for use with bonded screed above *

insulation for concrete ground floor for use with bouncing screed above *

Insulation for concrete ground floor with deck above *

Insulation for Galv. Steel (warm) low pitched roof (60 yrs) *

Insulation for galv.steel warm deck flat roof (35 yrs) *

Insulation for galv.steel warm deck flat roof (50 yrs) *

Insulation for hollowcore floor *

Insulation for inverted concrete or steel roof (35 yrs) *

Insulation for inverted concrete or steel roof (50 yrs) *

Insulation for inverted timber roof (35 yrs) *

Insulation for inverted timber roof (50 yrs) *

Insulation for light steel frame, 100x50mm *

Insulation for light steel frame, 100x50mm, aluminium foil *

Insulation for steel pitched roofs between and over joists *

Insulation for timber ground floor *

Insulation for timber pitched roofs between and over rafters *

Insulation for warm beam and dense block roof (35 yrs) *

Insulation for warm beam and dense block roof (50 yrs) *

Insulation for warm in situ concrete deck roof (35 yrs) *

Insulation for warm in situ concrete deck roof (50 yrs) *

Insulation for warm timber deck roof (35 yrs) *

Insulation for warm timber deck roof (50 yrs) *

Insulation with timber frame, 600mm c/c *

Insulation, cavity walls, full fill *

Group	Component Description
	Insulation, cavity walls, partial fill *
	Insulation, PU pentane blown for SIP roof 0 degrees
	Insulation, solid external walls *
	IsoRubber resilient layer, 6mm
	IsoRubber, resilient layer, 6mm
	Mineral wool 340mm, density 45 kg/m3
	Mineral wool quilt, 75mm, 45kg/m3
	Mineral wool, 25mm, 80kg/m3
	Phenolic Insulation, 100mm
	Phenolic Insulation, 50mm
	PIR Insulation, 20mm
	Polyethylene foam, closed cell, 5mm
	Polyethylene foam, Yelofon HD10+
	Proprietary resilient layer D, Icopal tranquil 10mm, 95% recycled PU foam, polythene membrane
	Resilient layer, 8mm rubber, 0.2mm waterproof membrane
	Resilient layer, stone wool, 25mm, 140kg/m3
	Resilient layer, stone wool, 50mm, 35kg/m3
	Resilient layer, stone wool, 80mm, 36kg/m3
	Separating floors isolating layer 3, 25mm EPS insulation
	Separating floors isolating layer 4, 25mm XPS insulation (CO2 blown)
	Sheep's wool insulation (25 kg/m3)
	Stone wool insulation, 25mm, 36kg/m3
	Stone wool insulation, 30mm, 33kg/m3
	Woodfibre board, 60mm
Membrane - All Types	
	Breather membrane (30 yrs)
	Breather membrane (45 yrs)
	Breather membrane (70 yrs)
	EPDM layer, 0.7mm
	EPDM single ply roofing membrane, flat
	Glass fibre reinforcing mat
	Oxidised polyester reinforced bituminous membrane, pitched
	Polyester underlay for built-up roof system
	Polyethylene DPM
	Polyethylene membrane (30 yrs)
	Polyethylene membrane (45 yrs)
	Polyethylene membrane (50 yrs)
	Polyethylene membrane (70 yrs)
	Polyethylene membrane (80 yrs)
	Polyethylene membrane, spun bonded (30 yrs)
	Polyethylene membrane, spun bonded (35 yrs)
	Polyethylene membrane, spun bonded (40 yrs), 25mm

Group	Component Description
	Polyethylene membrane, spun bonded (40 yrs), 50mm
	Polyethylene membrane, spun bonded (50 yrs)
	Polyethylene membrane, spun bonded (60 yrs)
	Polyethylene membrane, spun bonded (70 yrs)
	Polyethylene sheet, 500 gauge (30 yrs)
	Polyethylene sheet, 500 gauge (80 yrs)
	Polymer modified polyester reinforced bituminous membrane, flat
	PVC single ply roofing membrane, flat
	TPO/FPO single ply roofing membrane, flat
	Vapour Control Layer (contains aluminium foil for low emissivity) (35 yrs)
	Vapour control membrane, aluminium foil (35 yrs)
	Vapour control membrane, aluminium foil (50 yrs)
	Vapour control membrane, aluminium foil (60 yrs)
	Vapour control membrane, aluminium foil (70 yrs)
	Vapour control membrane, aluminium foil (80 yrs)
Membrane - Proprietary	
	FATRA PVC single ply roofing membrane
	FATRAFOL 807 & 807/V single ply waterproofing membrane
	FATRAFOL 810 AA & 810/V AA single ply roofing membrane
	FLAGON (EP) TPO 1.2mm geomembrane
	FLAG-SOPREMA UK LTD, FLAGON 1.2mm EP/PR (TPO) geomembrane
	FLAG-SOPREMA UK LTD, FLAGON 1.2mm EP/PV (TPO) geomembrane
	LIQUID PLASTICS carrier membrane, resin bonded chopped fibreglass, bitumen
	LIQUID PLASTICS DELTA 25 COLD FUSION SYSTEM
	LIQUID PLASTICS DELTA 25 INVERTED SYSTEM MAIN DECK AREA
	LIQUID PLASTICS DELTA 25 INVERTED SYSTEM UPSTAND AREA
Reinforcement - Wire mesh	
	Wire mesh for reinforcement
Roof Structure - Aluminium	
	Built up, mill finished aluminium standing seam, coated steel liner, insulation *
Roof Structure - Copper	
	Copper standing seam, ply, pitched
Roof Structure - In situ concrete	
	In situ concrete, reinforced
	In situ concrete, reinforced, 50% PFA 20% RCA
Roof Structure - Precast concrete	
	Precast concrete formwork, lattice reinforcement, in situ deck, roofing
	Precast concrete planks, prestressed, screed
Roof Structure - Steel	
	Decking, galvanised steel, supporting structure for inverted deck roof
	Decking, galvanised steel, supporting structure for warm deck roof
	Permanent steel shuttering, deck, beams

Group	Component Description
	Steel profiled metal deck for built-up roof system
	Steel structure for pitched and low pitched roofs
Roof Structure - Timber	
	Timber trussed rafters, 60mm c/c
Sheeting/Decking/Finishes - Brick	
	Brick finish for precast concrete
Sheeting/Decking/Finishes - CBPB	
	Cement bonded particleboard, 12.5mm
	Cement bonded particleboard, 19mm
	Sheathing, cement bonded particleboard, 12.5mm
Sheeting/Decking/Finishes - Ceramic tile	
	Ceramic wall tiles, 15mm
Sheeting/Decking/Finishes - Chipboard	
	Chipboard (P5), 19mm, timber joists
	Chipboard (P5), insulation *
	Chipboard (P5), timber joists, insulation, DPM *
	Chipboard panels, flaxboard core, vinyl finish
	Chipboard, 19mm
	Chipboard, 19mm, battens
	Chipboard, 19mm, housing only
	Chipboard, 19mm, protected
	Chipboard, buried decking
Sheeting/Decking/Finishes - Floor finish (generic)	
	Separating floors proprietary floor covering A, 4.5mm recycled rubber crumb
	Separating floors proprietary floor covering B, 3mm recycled rubber crumb
Sheeting/Decking/Finishes - Gypsum fibreboard	
	Gypsum fibreboard, 12.5mm
Sheeting/Decking/Finishes - OSB	
	Decking, OSB, 15mm, battens
	Decking, OSB, 15mm, ground floors
	Decking, OSB, 15mm, insulation *
	Decking, OSB, 15mm, under FFT
	Decking, OSB, 15mm, upper floors
	Decking, OSB, 18mm
	Decking, OSB, 20kg/m2 min.
	Decking, OSB-3, 15mm, timber joists 600mm c/c
	Decking, OSB-3, 18mm, joists 600mm c/c (45 yrs)
	Decking, OSB-3, 18mm, joists 600mm c/c (70 yrs)
	Decking, OSB-3, 18mm, joists 600mm c/c (80 yrs)
	Decking, OSB-3, battens, insulation, DPM *
	Sheathing for timber frame, OSB-3, 9mm
	Sheathing, OSB, 12.5mm

Group Component Description

Sheathing, OSB-3, 9mm

Sheeting/Decking/Finishes - Paint

Decoration, one undercoat, 2 coats gloss paint, one surface

Emulsion paint, 1 face

Emulsion paint, 2 faces

Sheeting/Decking/Finishes - Plaster

Plaster and emulsion paint

Plaster skim, emulsion paint (70 yrs)

Plaster skim, emulsion paint (80 yrs)

Plaster, lightweight, 13mm, emulsion paint

Sheeting/Decking/Finishes - Plasterboard

Decking, Plasterboard, 19mm

Plasterboard, 10kg/m², 25mm mineral wool quilt

Plasterboard, 10kg/m², 50mm mineral wool quilt

Plasterboard, 12.5mm

Plasterboard, 15mm, dabs, emulsion paint

Plasterboard, 19mm

Plasterboard, 2 sheets, emulsion paint

Plasterboard, 21mm, 16 kg/m² min.

Plasterboard, 25mm, emulsion paint

Plasterboard, 2x19mm, emulsion paint

Plasterboard, acoustic, 15mm

Plasterboard, battens, emulsion paint

Plasterboard, dabs, emulsion paint

Plasterboard, emulsion paint

Plasterboard, high density, 15mm

Plasterboard, paint, cold roofs only

Plasterboard, paint, roofs and upper floors

Sheeting/Decking/Finishes - Plastic

PVC internal wall finish 2.5mm, acrylic adhesive

Sheeting/Decking/Finishes - Plywood

Decking, Plywood, 15mm min. 600kg/m³ min.

Decking, Plywood, 20kg/m² min.

Plywood (636-1), 18mm

Plywood (636-1), 18mm, battens

Plywood (636-2) (70 yrs)

Plywood (636-2) (80 yrs)

Plywood (636-2), 18mm, timber joists

Plywood (636-2), battens, insulation, DPM *

Plywood (636-2), insulation *

Plywood, 12mm

Plywood, Internal, 18mm

Group	Component Description
	Plywood, softwood, sheathing, 9mm
	Sheathing, plywood (softwood), 22mm
Sheeting/Decking/Finishes - Polycarbonate	
	Polycarbonate panel, hardwood studs
Sheeting/Decking/Finishes - Proprietary	
	ALTRO WHITEROCK Internal wall cladding, plasterboard, acrylic adhesive
	ALTRO WHITEROCK Internal wall cladding, PU adhesive
	UPM KYMMENE Internal SPRUCEFLOOR plywood, 18mm, battens
	UPM KYMMENE SPRUCEFLOOR plywood, softwood 636-1, 18mm, battens
	UPM KYMMENE SPRUCEFLOOR plywood, temperate 636-2, 18mm, timber joists
	UPM KYMMENE SPRUCEFLOOR plywood, temperate 636-2, battens, insulation, VCL *
	UPM KYMMENE SPRUCEFLOOR plywood, temperate 636-2, insulation *
	UPM KYMMENE WISA-SPRUCE External plywood, temperate 636-2, 70 yrs
	UPM KYMMENE WISA-SPRUCE External plywood, temperate 636-2, 80 yrs
Sheeting/Decking/Finishes - Render	
	Insulated render system, EPS on glass fibre mesh with mortar adhesion
	Polymeric render system, reinforced, pebble dash
	Render, cement lime
	Render, cement, 15mm
	Render, cement, 20mm
	Render, cement, 8mm
	Render, gypsum based internal
	Render, polymer modified cement
	Render, sand/cement, 13mm, plaster skim
	Render, sand/cement, 20mm
	Sand cement render 20mm, flat roof
Sheeting/Decking/Finishes - Steel	
	Steel sheet, enamelled
Sheeting/Decking/Finishes - Terrazzo	
	Terrazzo, cement based tiles
	Terrazzo, resin based tiles (10% resin)
	Terrazzo, resin based tiles (2% resin)
Sheeting/Decking/Finishes - Timber	
	Reclaimed timber boards
	Reclaimed timber floor boards, insulation *
	Tongue and groove boards, softwood, 19mm
Sheeting/Decking/Finishes - Woodfibre board	
	Bitumen impregnated woodfibre board, 12mm
Structurally Insulated Panels - CBPB	
	SIP, cement bonded particleboard, pentane PU insulation
	SIP, cement bonded particleboard, PU insulation (GWP 25)

Group	Component Description
Structurally Insulated Panels - Insulation only	
	Insulation, PU pentane blown for SIP roof 35 degrees
Structurally Insulated Panels - OSB	
	SIP roof, OSB, timber panel, joists, plasterboard, 35 degrees
	SIP roof, OSB, timber panel, plasterboard, 10 degrees
	SIP, 11mm OSB each side, 140mm insulation *
Structurally Insulated Panels - Plywood	
	SIP roof, plywood, timber panel, joists, plasterboard, 35 degrees
Structurally Insulated Panels - Proprietary	
	CORUS KALZIP 400/65 0.9mm Colour Coated profiled aluminium top sheet, 0.7mm coated steel KALZIP liner, E or L clips, purlins, KALZIP insulation plus 40/37/35/32
	CORUS KALZIP 400/65 0.9mm Stucco Embossed profiled aluminium top sheet, 0.7mm coated steel KALZIP liner, E or L clips, purlins, KALZIP insulation plus 40/37/35/32
	CORUS KALZIP 400/65 0.9mm Stucco Embossed profiled aluminium top sheet, 0.9mm coated steel KALZIP liner, E or L clips, purlins, KALZIP insulation plus 40/37/35/32
	KINGSPAN TEK structural insulated roof panel
	KINGSPAN TEK structural insulated wall panel
	KINGSPAN KS 1000 RW panel with ECOSAFE insulation core, 70mm
Structurally Insulated Panels - Steel	
	Organic coated steel standing seam outer sheet, for low pitch SIP
	Organic coated steel standing seam outer sheet, for normal pitch SIP
	Steel & stone wool composite panel 100mm
Topping - Proprietary	
	RACKHAM, bouncing screed, reinforced, 65mm
	Structural topping for HANSON JETFLOOR SUPER T beam and eps block floor, 65mm
Topping - Screed	
	Bonded screed, 50mm
	Bonded screed, 65mm
	Proprietary screed, 80kg/m2, polythene sheet
	Resilient screed board for flooring
	Screed to falls for concrete flat roof structure
	Screed, 50mm, insulation
	Screed, cement/sand, 20mm
	Structural topping for beam and eps floors, 65mm
	Structural topping for beam and eps floors, 75mm
	Structural topping, 120mm
	Structural topping, 50mm
Wall Structure - Aluminium	
	Aluminium frame for partitions
Wall Structure - Block	
	Blockwork, aircrete, external leaf, 100mm, cement lime mortar
	Blockwork, aircrete, external leaf, 100mm, cement mortar
	Blockwork, aircrete, external leaf, 100mm, thin joint mortar

Group	Component Description
	Blockwork, aircrete, external leaf, 140mm, cement mortar
	Blockwork, aircrete, external leaf, 140mm, thin joint mortar
	Blockwork, aircrete, external leaf, 215mm, cement mortar
	Blockwork, aircrete, internal leaf, 100mm, cement lime mortar
	Blockwork, aircrete, internal leaf, 100mm, cement mortar
	Blockwork, aircrete, internal leaf, 100mm, cement mortar, 750kg/m ³ min.
	Blockwork, aircrete, internal leaf, 100mm, thin joint mortar
	Blockwork, aircrete, internal leaf, 100mm, thin joint mortar, 750kg/m ³ min.
	Blockwork, cellular dense
	Blockwork, cellular dense, internal leaf, 100mm, cement lime mortar
	Blockwork, cellular dense, internal leaf, 100mm, cement mortar
	Blockwork, dense solid, external leaf, 100mm, cement lime mortar
	Blockwork, dense solid, external leaf, 100mm, cement mortar
	Blockwork, dense solid, internal leaf, 100mm, cement lime mortar
	Blockwork, dense solid, internal leaf, 100mm, cement mortar
	Blockwork, dense solid, internal leaf, 140mm, cement mortar
	Blockwork, dense solid, internal leaf, 210mm, cement lime mortar
	Blockwork, dense solid, internal leaf, 210mm, cement mortar
	Blockwork, dense solid, internal leaf, 215mm, cement mortar
	Blockwork, fairfaced solid, external leaf, 100mm, cement lime mortar
	Blockwork, fairfaced solid, external leaf, 100mm, cement mortar
	Blockwork, fairfaced solid, internal leaf, 100mm, cement lime mortar
	Blockwork, fairfaced solid, internal leaf, 100mm, cement mortar
	Blockwork, for separating walls, 100mm, cement mortar
	Blockwork, Hemcrete, 120mm
	Blockwork, lightweight, external leaf, 100mm, cement lime mortar
	Blockwork, lightweight, external leaf, 100mm, cement mortar
	Blockwork, lightweight, external leaf, 140mm, cement lime mortar
	Blockwork, lightweight, external leaf, 140mm, cement mortar
	Blockwork, lightweight, external leaf, 215mm, cement mortar
	Blockwork, lightweight, internal leaf, 100mm, cement mortar
	Blockwork, medium dense solid, 140mm, cement mortar
	Blockwork, medium dense solid, external leaf, 100mm cement lime mortar
	Blockwork, medium dense solid, external leaf, 100mm, cement mortar
	Blockwork, medium dense solid, external leaf, 140mm, cement lime mortar
	Blockwork, medium dense solid, external leaf, 140mm, cement mortar
	Blockwork, medium dense solid, external leaf, 215mm, cement mortar
	Blockwork, medium dense solid, internal leaf, 100mm, cement mortar
	Blockwork, medium dense solid, internal leaf, 140mm, cement lime mortar
	Blockwork, medium dense solid, internal leaf, 140mm, cement mortar
	Blockwork, proprietary, lightweight, internal leaf, 100mm
	Blockwork, sheild, internal leaf, 100mm, cement mortar

Group	Component Description
	Blockwork, smoothface, internal leaf, 100mm, cement mortar
	Blockwork, super lightweight solid, external leaf, 100mm, cement lime mortar
	Blockwork, super lightweight solid, external leaf, 100mm, cement mortar
	Blockwork, super lightweight solid, internal leaf, cement lime mortar
	Blockwork, super lightweight solid, internal leaf, cement mortar
	Hempcrete block, 300mm
Wall Structure - Brick	
	Blockwork, medium dense solid, internal leaf, 100mm, cement lime mortar
	Brickwork, external leaf, 102.5mm, cement lime mortar
	Brickwork, external leaf, 102.5mm, cement mortar
	Brickwork, internal leaf, 102.5mm, cement lime mortar
	Brickwork, internal leaf, 102.5mm, cement mortar
	Brickwork, internal leaf, 215mm, cement mortar
	Brickwork, reclaimed, external leaf, 102.5mm, cement mortar
	Brickwork, reclaimed, internal leaf, cement lime mortar
Wall Structure - Fairfaced concrete	
	Fairfaced concrete wall, 100mm
	Fairfaced concrete wall, 100mm, reinforced
	Fairfaced concrete wall, 50mm, reinforced
	Fairfaced reinforced concrete wall, 100mm, 50% GGBS
Wall Structure - Glass	
	Blockwork, glass, 100mm
	Blockwork, glass, 50mm
Wall Structure - ICF	
	Creo ICF system
	ICF, 2x EPS grade 200e, 100mm light steel C studs, 300mm c/c, in situ C30 concrete
	ICF, 2x EPS grade 200e, 100mm light steel studs 300mm c/c, in situ C30 concrete
Wall Structure - In situ concrete	
	In situ concrete, 50mm
	In situ concrete, reinforced, separating wall, 190mm
	In situ concrete, separating wall, 190mm
Wall Structure - Limestone	
	Limestone splitstone outerleaf 100mm
Wall Structure - Natural stone	
	Gabions drystack masonry - Stones inside metal mesh
	Reclaimed stone 100mm, cement mortar 10mm
Wall Structure - Precast concrete	
	Precast concrete internal partition, non-loadbearing, 100mm
	Precast concrete internal wal, non-loadbearing, 75mm
	Precast concrete wall panel, 150mm
	Precast sandwich panel, loadbearing, EPS insulation
	Precast sandwich panel, non-loadbearing, EPS insulation

Group Component Description

Wall Structure - Proprietary

Blockwork, HANSON THERMALITE aircrete, internal leaf, 100mm, cement mortar

Blockwork, HANSON THERMALITE aircrete, internal leaf, 215mm, cement mortar

Blockwork, HANSON THERMALITE HI-STRENGTH 10, internal leaf, 100mm, cement mortar

Blockwork, HANSON THERMALITE HI-STRENGTH 7, internal leaf, 100mm, cement mortar

Blockwork, HANSON THERMALITE HI-STRENGTH SMOOTHFACE, internal leaf, 100mm cement mortar

Blockwork, HANSON THERMALITE TURBO, internal leaf, 100mm, cement mortar

Blockwork, LIGNACITE FIBO ENVIRO BLOCK, external leaf, cement mortar

Blockwork, LIGNACITE FIBO ENVIRO BLOCK, internal leaf, cement mortar

Blockwork, LIGNACITE ORIGINAL FACING MASONRY, external leaf, cement mortar

Blockwork, LIGNACITE ORIGINAL FACING MASONRY, internal leaf, cement mortar

Blockwork, LIGNACITE PREMIER FACING MASONRY, external leaf, cement mortar

Blockwork, LIGNACITE PREMIER FACING MASONRY, internal leaf, cement mortar

BRADSTONE ENVIROMASONRY Fairfaced Block, cement mortar external

BRADSTONE ENVIROMASONRY Fairfaced Block, cement mortar internal

BRADSTONE ENVIROMASONRY Polished Block, cement mortar external

BRADSTONE ENVIROMASONRY Polished Block, cement mortar internal

BRADSTONE ENVIROMASONRY Textured & Split Block, cement mortar external

BRADSTONE ENVIROMASONRY Textured & Split Block, cement mortar internal

DURISOL D300/120 Cement Bonded Recycled Softwood Blocks, insulation, RC30 concrete infill, steel reinforcing bars (horizontal and vertically) *

DURISOL D365/120 Cement Bonded Recycled Softwood Blocks, insulation, RC30 concrete infill, steel reinforcing bars (horizontal and vertically) *

PINEWOOD 140mm timber frame

WIENERBERGER 100mm 950 kg/m3 POROTHERM Clay Block, cement mortar external

WIENERBERGER 100mm 950 kg/m3 POROTHERM Clay Block, cement mortar internal

WIENERBERGER 140mm 850 kg/m3 POROTHERM Clay Block, cement mortar external

WIENERBERGER 140mm 850 kg/m3 POROTHERM Clay Block, cement mortar internal

WIENERBERGER 190mm 850 kg/m3 POROTHERM Clay Block, cement mortar external

WIENERBERGER 190mm 850 kg/m3 POROTHERM Clay Block, cement mortar internal

Wall Structure - Reinforced concrete

Fibre reinforced concrete panel, non-loadbearing, 110mm

Wall Structure - Steel

Light steel structure for external loadbearing wall

Wall Structure - Timber

Laminated Timber 120mm

Laminated Timber 95mm

Timber cassette internal wall panel, plywood, plasterboard