

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 PN284 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	
	BURLINGTON STONE KIRKBY BLUE SLATE 30mm rainscreen cladding, steel support
	BURLINGTON STONE KIRKBY BLUE SLATE 7mm tile, battens, felt, 35° Pitch
	BURLINGTON STONE KIRKBY BLUE SLATE 9mm tile, battens, felt, 35° Pitch
	CEMBRIT (Czech) fibre cement slates, battens, counterbattens, felt, 35° pitch
	Cladding, MEDITE ECOLOGIQUE MDF, battens, water based stain
	Cladding, MEDITE EXTERIOR MDF, battens, water based stain
	HOESCH ARCHED 183mm (organic coated steel outer & inner, insulation), steel supports *
	HOESCH ARCHED ROOF (organic coated steel outer & inner, PU insulation)
	HOESCH ISODACH INTEGRAL 155mm (organic coated steel outer & inner, PU insulation)
	HOESCH ISODACH INTEGRAL 155mm (organic coated steel outer & inner, PU insulation), steel supports
	HOESCH ISODACH MONO 155mm (organic coated steel outer & inner, PU insulation)
	HOESCH ISODACH MONO 155mm (organic coated steel outer & inner, PU insulation), steel supports
	HOESCH ISOROCK INTEGRAL D 200mm (organic coated steel outer & inner, mineral wool insulation), steel supports
	HOESCH ISOROCK INTEGRAL D 200mm (organic coated steel outer & inner, mineral wool insulation)
	HOESCH ISOWAND VARIO 140mm (organic coated steel outer & inner, PU insulation), steel supports
	HOESCH ISOWELLE 104mm (organic coated steel outer & inner, PU insulation)
	HOESCH ISOWELLE 104mm (organic coated steel outer & inner, PU insulation), steel supports
	HOESCH MATRIX 160mm (organic coated steel outer & inner, mineral wool insulation), steel frame
	HOESCH POLYGON ARCH, TRAPEZOIDAL/TRAPEZOIDAL AKUSTIC (organic coated steel outer & inner, PU insulation)
	HOESCH POLYGON ARCH, TRAPEZOIDAL/TRAPEZOIDAL AKUSTIC 183mm (organic coated steel outer & inner, insulation), steel support *
	HOESCH THERMODACH 175mm (organic coated steel outer & inner, PU insulation)
	HOESCH THERMODACH 175mm (organic coated steel outer & inner, PU insulation), steel supports
	IMERYS Clay plain tiles up to 77 kg/m2
	IMERYS large format clay interlocking tiles up to 43 kg/m2
	IMERYS small format clay interlocking tiles up to 46 kg/m2
	RETAINED/EXISTING: BURLINGTON STONE KIRKBY BLUE SLATE 30mm rainscreen cladding, steel support
	RETAINED/EXISTING: BURLINGTON STONE KIRKBY BLUE SLATE 7mm tile, battens, felt, 35° Pitch
	RETAINED/EXISTING: BURLINGTON STONE KIRKBY BLUE SLATE 9mm tile, battens, felt, 35° Pitch
	RETAINED/EXISTING: CEMBRIT (Czech) fibre cement slates, battens, counterbattens, felt, 35° pitch
	RETAINED/EXISTING: HOESCH ARCHED 183mm (organic coated steel outer & inner, insulation), steel supports *
	RETAINED/EXISTING: HOESCH ARCHED ROOF (organic coated steel outer & inner, PU insulation)
	RETAINED/EXISTING: HOESCH ISODACH INTEGRAL 155mm (organic coated steel outer & inner, PU insulation)
	RETAINED/EXISTING: HOESCH ISODACH INTEGRAL 155mm (organic coated steel outer & inner, PU insulation), steel supports
	RETAINED/EXISTING: HOESCH ISODACH MONO 155mm (organic coated steel outer & inner, PU insulation)
	RETAINED/EXISTING: HOESCH ISODACH MONO 155mm (organic coated steel outer & inner, PU insulation), steel supports
	RETAINED/EXISTING: HOESCH ISOROCK INTEGRAL D 200mm (organic coated steel outer & inner, mineral wool insulation), steel supports

Group	Component Description
	RETAINED/EXISTING: HOESCH ISOROCK INTEGRAL D 200mm (organic coated steel outer & inner, mineral wool insulation)
	RETAINED/EXISTING: HOESCH ISOWAND VARIO 140mm (organic coated steel outer & inner, PU insulation), steel supports
	RETAINED/EXISTING: HOESCH ISOWELLE 104mm (organic coated steel outer & inner, PU insulation)
	RETAINED/EXISTING: HOESCH ISOWELLE 104mm (organic coated steel outer & inner, PU insulation), steel supports
	RETAINED/EXISTING: HOESCH MATRIX 160mm (organic coated steel outer & inner, mineral wool insulation), steel frame
	RETAINED/EXISTING: HOESCH POLYGON ARCH, TRAPEZOIDAL/TRAPEZOIDAL AKUSTIC (organic coated steel outer & inner, PU insulation)
	RETAINED/EXISTING: HOESCH POLYGON ARCH, TRAPEZOIDAL/TRAPEZOIDAL AKUSTIC 183mm (organic coated steel outer & inner, insulation), steel support *
	RETAINED/EXISTING: HOESCH THERMODACH 175mm (organic coated steel outer & inner, PU insulation)
	RETAINED/EXISTING: HOESCH THERMODACH 175mm (organic coated steel outer & inner, PU insulation), steel supports
	RETAINED/EXISTING: IMERYS Clay plain tiles up to 77 kg/m ²
	RETAINED/EXISTING: IMERYS large format clay interlocking tiles up to 43 kg/m ²
	RETAINED/EXISTING: IMERYS small format clay interlocking tiles up to 46 kg/m ²
	RETAINED/EXISTING: VMZINC QUARTZ ZINC 0.7mm overlapping wall panels
	RETAINED/EXISTING: VMZINC QUARTZ ZINC PLUS 0.7mm
	RETAINED/EXISTING: VMZINC QUARTZ ZINC PLUS 0.7mm, plywood sheathing, battens
	RETAINED/EXISTING: VMZINC QUARTZ ZINC PLUS 0.8mm, plywood sheathing
	RETAINED/EXISTING: VMZINC QUARTZ ZINC standing seam 0.7mm
	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
	VMZINC QUARTZ ZINC 0.7mm overlapping wall panels
	VMZINC QUARTZ ZINC PLUS 0.7mm
	VMZINC QUARTZ ZINC PLUS 0.7mm, plywood sheathing, battens
	VMZINC QUARTZ ZINC PLUS 0.8mm, plywood sheathing
	VMZINC QUARTZ ZINC standing seam 0.7mm
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

Group	Component Description
	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, 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
	RETAINED/EXISTING: Coated steel inner & outer profiled sheeting, polyurethane insulation, steel rails
	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
	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

Group Component Description

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

In situ concrete, oversite

In situ concrete, oversite, 100% RCA

In situ concrete, oversite, 30% PFA

In situ concrete, oversite, 30% PFA 100% RCA

In situ concrete, oversite, 50% GGBS

In situ concrete, oversite, 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

Group	Component Description
	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	
	RETAINED/EXISTING: UPM WISA-SPRUCEFLOOR plywood 18mm
	RETAINED/EXISTING: UPM WISA-SPRUCEFLOOR plywood 18mm, battens
	RETAINED/EXISTING: UPM WISA-SPRUCEFLOOR plywood 18mm, battens, insulation, vapour control layer *
	RETAINED/EXISTING: UPM WISA-SPRUCEFLOOR plywood 18mm, insulation *
	RETAINED/EXISTING: UPM WISA-SPRUCEFLOOR plywood 18mm, steel floor cassette, plasterboard
	RETAINED/EXISTING: UPM WISA-SPRUCEFLOOR plywood 18mm, timber joists
	UPM WISA-SPRUCEFLOOR plywood 18mm
	UPM WISA-SPRUCEFLOOR plywood 18mm, battens
	UPM WISA-SPRUCEFLOOR plywood 18mm, battens, insulation, vapour control layer *
	UPM WISA-SPRUCEFLOOR plywood 18mm, insulation *
	UPM WISA-SPRUCEFLOOR plywood 18mm, steel floor cassette, plasterboard
	UPM WISA-SPRUCEFLOOR plywood 18mm, timber joists
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
Frame - Timber	
	Timber structural frame, 140x45mm (420kg/m ³)

Group Component Description

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 - 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 - 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 *

Group	Component Description
	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 *
	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

Group	Component Description
	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
	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)

Group	Component Description
	Vapour control membrane, aluminium foil (80 yrs)
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
	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 tiles, 9mm
	Ceramic wall tiles, 15mm
	RETAINED/EXISTING: Ceramic tiles, 9mm
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

Group	Component Description
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/m ² 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
	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/m ² , 25mm mineral wool quilt
	Plasterboard, 10kg/m ² , 50mm mineral wool quilt
	Plasterboard, 12.5mm
	Plasterboard, 15mm, dabs, emulsion paint
	Plasterboard, 19mm
	Plasterboard, 2 sheets, emulsion paint
	Plasterboard, 21mm, 16 kg/m ² min.
	Plasterboard, 25mm, emulsion paint
	Plasterboard, 2x19mm, emulsion paint
	Plasterboard, acoustic, 15mm

Group	Component Description
	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/m ³ min.
	Decking, Plywood, 20kg/m ² 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
	Plywood, softwood, sheathing, 9mm
	Sheathing, plywood (softwood), 22mm
Sheeting/Decking/Finishes - Polycarbonate	
	Polycarbonate panel, hardwood studs
Sheeting/Decking/Finishes - Proprietary	
	RETAINED/EXISTING: UPM WISA-SPRUCEFLOOR plywood 18mm
	UPM WISA-SPRUCEFLOOR plywood 18mm
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

Group	Component Description
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)
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	
	KINGSPAN TEK structural insulated panel, 175mm total
	RETAINED/EXISTING: KINGSPAN TEK structural insulated panel, 175mm total
	RETAINED/EXISTING: UPM WISA-SPRUCE 850 plywood SIP 9mm each side, timber panel, ceiling joists, plasterboard, 35° Pitch
	UPM WISA-SPRUCE 850 plywood SIP 9mm each side, timber panel, ceiling joists, plasterboard, 35° Pitch
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 - 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

Group	Component Description
	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

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/m³ min.

Blockwork, aircrete, internal leaf, 100mm, thin joint mortar

Blockwork, aircrete, internal leaf, 100mm, thin joint mortar, 750kg/m³ 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, 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

Group	Component Description
	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
	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
	RETAINED/EXISTING: Blockwork, lightweight, external leaf, 140mm, cement mortar
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

Group Component Description

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

Wall Structure - Proprietary

BEKSTONE reconstituted walling stone 100mm, cement mortar

BURLINGTON STONE KIRKBY BLUE SLATE 100mm, cement mortar

HANSON THERMALITE Aircrete Blockwork 100mm, cement thin joint mortar

HANSON THERMALITE Aircrete Blockwork 215mm, cement mortar

HOESCH CORRUGATED 1mm (organic coated steel), HD polyethylene breather membrane, insulation, steel support *

HOESCH ISOROCK 150mm (organic coated steel outer & inner, mineral wool insulation), steel frame

HOESCH ISOROCK 150mm (organic coated steel outer & inner, mineral wool insulation), steel supports

HOESCH ISOROCK AKUSTIC 150mm sandwich panel partition (mineral wool)

HOESCH ISOROCK VARIO 200mm (organic coated steel outer & inner, mineral wool insulation), steel frame

HOESCH ISOROCK VARIO 200mm (organic coated steel outer & inner, mineral wool insulation), steel supports

HOESCH ISOWAND INTEGRAL 140mm (organic coated steel outer & inner, PU insulation), steel frame

HOESCH ISOWAND INTEGRAL 140mm (organic coated steel outer & inner, PU insulation), steel supports

HOESCH ISOWAND VARIO 140mm (organic coated steel outer & inner, PU insulation), steel frame

HOESCH ISOWELLE 104mm (organic coated steel outer & inner, PU insulation), steel frame

HOESCH ISOWELLE 104mm (organic coated steel outer & inner, PU insulation), steel supports

HOESCH LINER TRAY/LINER TRAY AKUSTIC 1.5mm (organic coated steel), HD polyethylene breather membrane, insulation, steel support *

HOESCH MATRIX 160mm (organic coated steel outer & inner, mineral wool insulation), steel supports

HOESCH PLANEEL SIDING FAÇADE 1mm (organic coated steel), HD polyethylene breather membrane, insulation, steel support *

HOESCH THERMOWAND TL 129mm (organic coated steel outer & inner, PU insulation), steel frame

HOESCH THERMOWAND TL 129mm (organic coated steel outer & inner, PU insulation), steel supports

HOESCH THERMOWAND/THERMOWAND 1000 120mm (organic coated steel outer & inner, PU insulation), steel frame

HOESCH THERMOWAND/THERMOWAND 1000 120mm (organic coated steel outer & inner, PU insulation), steel supports

HOESCH TRAPEZOIDAL/TRAPEZOIDAL AKUSTIC 1.5mm (organic coated steel), HD polyethylene breather membrane, insulation, steel support *

KINGSPAN KS1000 RW wall panel, 70mm EcoSafe insulation core

KINGSPAN KS600 AWP wall panel, 70mm EcoSafe insulation core

RETAINED/EXISTING: BEKSTONE reconstituted walling stone 100mm, cement mortar

RETAINED/EXISTING: BURLINGTON STONE KIRKBY BLUE SLATE 100mm, cement mortar

Group	Component Description
	RETAINED/EXISTING: HANSON THERMALITE Aircrete Blockwork 100mm, cement thin joint mortar
	RETAINED/EXISTING: HANSON THERMALITE Aircrete Blockwork 215mm, cement mortar
	RETAINED/EXISTING: HOESCH CORRUGATED 1mm (organic coated steel), HD polyethylene breather membrane, insulation, steel support *
	RETAINED/EXISTING: HOESCH ISOROCK 150mm (organic coated steel outer & inner, mineral wool insulation), steel frame
	RETAINED/EXISTING: HOESCH ISOROCK 150mm (organic coated steel outer & inner, mineral wool insulation), steel supports
	RETAINED/EXISTING: HOESCH ISOROCK AKUSTIC 150mm sandwich panel partition (mineral wool)
	RETAINED/EXISTING: HOESCH ISOROCK VARIO 200mm (organic coated steel outer & inner, mineral wool insulation), steel frame
	RETAINED/EXISTING: HOESCH ISOROCK VARIO 200mm (organic coated steel outer & inner, mineral wool insulation), steel supports
	RETAINED/EXISTING: HOESCH ISOWAND INTEGRAL 140mm (organic coated steel outer & inner, PU insulation), steel frame
	RETAINED/EXISTING: HOESCH ISOWAND INTEGRAL 140mm (organic coated steel outer & inner, PU insulation), steel supports
	RETAINED/EXISTING: HOESCH ISOWAND VARIO 140mm (organic coated steel outer & inner, PU insulation), steel frame
	RETAINED/EXISTING: HOESCH ISOWELLE 104mm (organic coated steel outer & inner, PU insulation), steel frame
	RETAINED/EXISTING: HOESCH ISOWELLE 104mm (organic coated steel outer & inner, PU insulation), steel supports
	RETAINED/EXISTING: HOESCH LINER TRAY/LINER TRAY AKUSTIC 1.5mm (organic coated steel), HD polyethylene breather membrane, insulation, steel support *
	RETAINED/EXISTING: HOESCH MATRIX 160mm (organic coated steel outer & inner, mineral wool insulation), steel supports
	RETAINED/EXISTING: HOESCH PLANEEL SIDING FAÇADE 1mm (organic coated steel), HD polyethylene breather membrane, insulation, steel support *
	RETAINED/EXISTING: HOESCH THERMOWAND TL 129mm (organic coated steel outer & inner, PU insulation), steel frame
	RETAINED/EXISTING: HOESCH THERMOWAND TL 129mm (organic coated steel outer & inner, PU insulation), steel supports
	RETAINED/EXISTING: HOESCH THERMOWAND/THERMOWAND 1000 120mm (organic coated steel outer & inner, PU insulation), steel frame
	RETAINED/EXISTING: HOESCH THERMOWAND/THERMOWAND 1000 120mm (organic coated steel outer & inner, PU insulation), steel supports
	RETAINED/EXISTING: HOESCH TRAPEZOIDAL/TRAPEZOIDAL AKUSTIC 1.5mm (organic coated steel), HD polyethylene breather membrane, insulation, steel support *
	RETAINED/EXISTING: KINGSPAN KS1000 RW wall panel, 70mm EcoSafe insulation core
	RETAINED/EXISTING: KINGSPAN KS600 AWP wall panel, 70mm EcoSafe insulation core
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

Group	Component Description
	Timber cassette internal wall panel, plywood, plasterboard