



BATHROOM

BW2 BATHROOM WALL HELUZ AKU 30

N	FUNCTION	MATERIAL SPECIFICATION	STABILIZATION	THICKNESS
1	PAINT	ONE-COMPONENT, WATER-SOLUBLE PAINT DESIGNED FOR GYPSUM BOARDS internal dispersion paint with organic binders and limestone fillers, water vapour permeability 0.02 m	brush or spraying machine	-
2	FILLER	UNIVERSAL PASTE FILLER bonding strength > 320N, fire reaction class A2-s1,d0	stainless steel trowel	-
3	GYPSUM BOARD	GYPSUM BOARD coefficient of thermal conductivity λ , 0.21W/m ² *K, fire reaction class A2-s1,d0, diffusion resistance factor μ 6-10, longitudinal expansion factor in case of humidity change 5-8*10 ⁻³ , compressive strength 5.0 - 10.0 MPa	mechanically anchored	12.5
4	ADHESIVE BINDER	GYPSUM ADHESIVE BINDER adhesion min. 0.24 MPa, fire reaction class A1, curing time min. 12 hours	stainless steel trowel	20
5	PENETRATION	CONCENTRATED WATERDISPERSION concentrated aqueous dispersions of artificial resins based on acrylic resins with additives, consumption 100g/m ² , dilution ratio 1:4, curing time circa 24 hours	roller, brush or spraying machine	-
6	LOAD-BEARING	LOAD-BEARING MASONRY BRICK monolayer, load-bearing, heat transfer coefficient U 1.0W/m ² *K, coefficient of thermal conductivity λ , 0.26W/m ² *K, fire reaction class A1, fire resistance REI 180 DP1, airborne noise Rw 56, diffusion resistance factor μ 510	-	300
7	PENETRATION	ACRYLIC PRIMER ready to use acrylic based primer, temperature range (+5°C/+35°C), minimum drying time 45-60 minutes, pot life 20 minutes, consumption 150 gr/m ² , 2 layers needed	roller, brush or spraying machine	-
8	WATERPROOFING	ACRYLIC EMULSION BASED, ONE COMPONENT ELASTIC curing time 4 hours, consumption 1.5 kg/m ² , 3 layers, tensile strength \geq 0.8 N/mm ² , tensile adhesion strength \geq 0.8 N/mm ² , water-vapour permeability class I, equivalent air thickness S _e < 5	brush or roller	1.0
9	TILE ADHESIVE	CEMENTITIOUS ADHESIVE WITH EXTENDED OPEN TIME AND REDUCED SLIP curing time 24 hours, consumption 3-5 kg/m ² , 4 mm in case of 30x30cm tiles, tensile adhesion strength \geq 1.0 N/mm ² , fire reaction class A1, slip \geq 0.5 N/mm ²	stainless steel trowel	4.0
10	SURFACE FINISH	CERAMIC TILES dimensions 30 x 30 cm, coefficient of thermal conductivity λ , 1.01W/m ² *K, diffusion resistance factor μ > 0.5, anti-slip R11	-	10
11	GROUTING MORTAR	FLEXIBLE GROUTING MORTAR curing time 24 hours, flexural strength \geq 2.5 N/mm ² , compressive strength \geq 15 N/mm ²	rubber trowel	-

BW3 BATHROOM WALL HELUZ 11.5

N	FUNCTION	MATERIAL SPECIFICATION	STABILIZATION	THICKNESS
1	PAINT	ONE-COMPONENT, WATER-SOLUBLE PAINT DESIGNED FOR GYPSUM BOARDS internal dispersion paint with organic binders and limestone fillers, water vapour permeability 0.02 m	brush or spraying machine	-
2	FILLER	UNIVERSAL PASTE FILLER bonding strength > 320N, fire reaction class A2-s1,d0	stainless steel trowel	-
3	GYPSUM BOARD	GYPSUM BOARD coefficient of thermal conductivity λ , 0.21W/m ² *K, fire reaction class A2-s1,d0, diffusion resistance factor μ 6-10, longitudinal expansion factor in case of humidity change 5-8*10 ⁻³ , compressive strength 5.0 - 10.0 MPa	mechanically anchored	12.5
4	ADHESIVE BINDER	GYPSUM ADHESIVE BINDER adhesion min. 0.24 MPa, fire reaction class A1, curing time min. 12 hours	stainless steel trowel	20
5	PENETRATION	CONCENTRATED WATERDISPERSION concentrated aqueous dispersions of artificial resins based on acrylic resins with additives, consumption 100g/m ² , dilution ratio 1:4, curing time circa 24 hours	roller, brush or spraying machine	-
6	PARTITION	PARTITION MASONRY BRICK monolayer, heat transfer coefficient U 1.42W/m ² *K, coefficient of thermal conductivity λ , 0.25W/m ² *K, fire reaction class A1, fire resistance EI 120 DP1, airborne noise Rw 45, diffusion resistance factor μ 510	-	115
7	PENETRATION	ACRYLIC PRIMER ready to use acrylic based primer, temperature range (+5°C/+35°C), minimum drying time 45-60 minutes, pot life 20 minutes, consumption 150 gr/m ² , 2 layers needed	roller, brush or spraying machine	-
8	WATERPROOFING	ACRYLIC EMULSION BASED, ONE COMPONENT ELASTIC curing time 4 hours, consumption 1.5 kg/m ² , 3 layers, tensile strength \geq 0.8 N/mm ² , tensile adhesion strength \geq 0.8 N/mm ² , water-vapour permeability class I, equivalent air thickness S _e < 5	brush or roller	1.0
9	TILE ADHESIVE	CEMENTITIOUS ADHESIVE WITH EXTENDED OPEN TIME AND REDUCED SLIP curing time 24 hours, consumption 3-5 kg/m ² , 4 mm in case of 30x30cm tiles, tensile adhesion strength \geq 1.0 N/mm ² , fire reaction class A1, slip \geq 0.5 N/mm ²	stainless steel trowel	4.0
10	SURFACE FINISH	CERAMIC TILES dimensions 30 x 30 cm, coefficient of thermal conductivity λ , 1.01W/m ² *K, diffusion resistance factor μ > 0.5, anti-slip R11	-	10
11	GROUTING MORTAR	FLEXIBLE GROUTING MORTAR curing time 24 hours, flexural strength \geq 2.5 N/mm ² , compressive strength \geq 15 N/mm ²	rubber trowel	-

BF1 FLOOR IN 2nd ABOVE GROUND FLOOR

N	FUNCTION	MATERIAL SPECIFICATION	STABILIZATION	THICKNESS
1	GROUTING MORTAR	FLEXIBLE GROUTING MORTAR curing time 24 hours, flexural strength \geq 2.5 N/mm ² , compressive strength \geq 15 N/mm ²	rubber trowel	-
2	SURFACE FINISH	CERAMIC TILES dimensions 30 x 30 cm, coefficient of thermal conductivity λ , 1.01W/m ² *K, diffusion resistance factor μ > 0.5, anti-slip R11	-	10
3	TILE ADHESIVE	CEMENTITIOUS ADHESIVE WITH EXTENDED OPEN TIME AND REDUCED SLIP curing time 24 hours, consumption 3-5 kg/m ² , 4 mm in case of 30x30cm tiles, tensile adhesion strength \geq 1.0 N/mm ² , fire reaction class A1, slip \geq 0.5 N/mm ²	stainless steel trowel	4.0
4	WATERPROOFING	ACRYLIC EMULSION BASED, ONE COMPONENT ELASTIC curing time 4 hours, consumption 1.5 kg/m ² , 3 layers, tensile strength \geq 0.8 N/mm ² , tensile adhesion strength \geq 0.8 N/mm ² , water-vapour permeability class I, equivalent air thickness S _e < 5	brush or roller	1.0
5	PENETRATION	ACRYLIC PRIMER ready to use acrylic based primer, temperature range (+5°C/+35°C), minimum drying time 45-60 minutes, pot life 20 minutes, consumption 150 gr/m ² , 2 layers needed	roller, brush or spraying machine	-
6	LEVELING	SELF-LEVELING SKEED calcium sulfate base, thickness from 2.5 to 10 mm, compressive strength > 35 N/mm ² , coefficient of thermal conductivity λ , 1.4 W/m ² *K, density 2100 kg/m ³	screeding trowel or screeding rake	10
7	GROUTING	GROUTING CONCRETE SKEED concrete C20/25 XC1, consistency S3, with reinforcement mesh diameter 4/150	-	60
8	SEPARATION	PE foil step insulation	-	40
9	INSULATION	ELASTIC POLYSTYRENE, thermal resistance R 0.40 m ² *K/W, coefficient of thermal conductivity λ , 0.037W/m ² *K, fire reaction class E, compressive strength 6.0 MPa	-	60
10	GROUTING	GROUTING CONCRETE concrete C20/25 XC1, consistency S3, with reinforcement mesh diameter 4/150	-	190
11	LOAD-BEARING	CEILING JOIST + CARTRIDGE reinforced concrete, fire reaction class A1, fire resistance REI 180 DP1	-	2x12.5
12	CEILING	GYPSUM BOARD + INSTALLATION GAP suspended ceiling, coefficient of thermal conductivity λ , 0.21W/m ² *K, fire reaction class A2-s1,d0, diffusion resistance factor μ 6-10, longitudinal expansion factor in case of humidity change 5-8*10 ⁻³ , compressive strength 5.0 - 10.0 MPa	-	-

WALLS

WA1 EXTERNAL WALL HELUZ 50 2in1

N	FUNCTION	MATERIAL SPECIFICATION	STABILIZATION	THICKNESS
1	SURFACE FINISH	THIN-FILM PASTE PLASTER silicate, water vapour permeability \leq 0.14n, water absorption w<0.1 and <0.5 kg/m ² *h, cohesion 0.15 MPa, grain 1.5-2.0, 3.0 mm, coefficient of thermal conductivity λ , max 0.74W/m ² *K, fire reaction class A2-s1,d0	stainless steel trowel	2
2	PENETRATION	HIGH SHEAR PENETRATION UNDER SILICATE MATERIALS pH class 11, solubility in water unlimited, drying time circa 12 hours	roller, brush or spraying machine	-
3	CEMENT SPRAYING	CEMENT MORTAR FOR BASE LAYER TREATMENT - GLASS FIBRE MESH compressive strength 6 MPa, adhesion min. 0.3 MPa, factor of diffusion resistance of water vapour min. 35, coefficient of thermal conductivity λ max 0.83W/m ² *K, fire reaction class A1, grain 0.2 mm	stainless steel trowel or spraying machine	8
4	LOAD-BEARING/ INSULATION	LOAD-BEARING MASONRY BRICK WITH IMPLEMENTED INSULATION monolayer perimeter brick of zero, passive, low energy and energy-efficient buildings, heat transfer coefficient U 0.11W/m ² *K, thermal resistance R 9.16 m ² *K/W, coefficient of thermal conductivity λ , 0.058W/m ² *K, fire reaction class B-s1,d0, fire resistance REI 30 DP1/90 DP1, airborne noise Rw 44(-1,2), diffusion resistance factor μ 371	-	500
5	PENETRATION	CONCENTRATED WATERDISPERSION concentrated aqueous dispersions of artificial resins based on acrylic resins with additives, consumption 100g/m ² , dilution ratio 1:4, drying time circa 24 hours	roller, brush or spraying machine	-
6	ADHESIVE BINDER	GYPSUM ADHESIVE BINDER adhesion min. 0.24 MPa, fire reaction class A1, drying time min. 12 hours	stainless steel trowel	20
7	GYPSUM BOARD	GYPSUM BOARD coefficient of thermal conductivity λ , 0.21W/m ² *K, fire reaction class A2-s1,d0, diffusion resistance factor μ 6-10, longitudinal expansion factor in case of humidity change 5-8*10 ⁻³ , compressive strength 5.0 - 10.0 MPa	mechanically anchored	12.5
8	FILLER	UNIVERSAL PASTE FILLER bonding strength > 320N, fire reaction class A2-s1,d0	stainless steel trowel	-
9	PAINT	ONE-COMPONENT, WATER-SOLUBLE PAINT DESIGNED FOR GYPSUM BOARDS internal dispersion paint with organic binders and limestone fillers, water vapour permeability 0.02 m	brush or spraying machine	-
10	FILLER	UNIVERSAL PASTE FILLER bonding strength > 320N, fire reaction class A2-s1,d0	stainless steel trowel	-
11	PAINT	ONE-COMPONENT, WATER-SOLUBLE PAINT DESIGNED FOR GYPSUM BOARDS internal dispersion paint with organic binders and limestone fillers, water vapour permeability 0.02 m	brush or spraying machine	-

WA2 INTERNAL WALL HELUZ 50

N	FUNCTION	MATERIAL SPECIFICATION	STABILIZATION	THICKNESS
1	PAINT	ONE-COMPONENT, WATER-SOLUBLE PAINT DESIGNED FOR GYPSUM BOARDS internal dispersion paint with organic binders and limestone fillers, water vapour permeability 0.02 m	brush or spraying machine	-
2	FILLER	UNIVERSAL PASTE FILLER bonding strength > 320N, fire reaction class A2-s1,d0	stainless steel trowel	-
3	GYPSUM BOARD	GYPSUM BOARD coefficient of thermal conductivity λ , 0.21W/m ² *K, fire reaction class A2-s1,d0, diffusion resistance factor μ 6-10, longitudinal expansion factor in case of humidity change 5-8*10 ⁻³ , compressive strength 5.0 - 10.0 MPa	mechanically anchored	12.5
4	ADHESIVE BINDER	GYPSUM ADHESIVE BINDER adhesion min. 0.24 MPa, fire reaction class A1, drying time min. 12 hours	stainless steel trowel	20
5	PENETRATION	CONCENTRATED WATERDISPERSION concentrated aqueous dispersions of artificial resins based on acrylic resins with additives, consumption 100g/m ² , dilution ratio 1:4, drying time circa 24 hours	roller, brush or spraying machine	-
6	LOAD-BEARING	LOAD-BEARING MASONRY BRICK monolayer, load-bearing, heat transfer coefficient U 0.10W/m ² *K, thermal resistance R 9.16 m ² *K/W, coefficient of thermal conductivity λ , 0.081W/m ² *K, fire reaction class A1, fire resistance REI 180 DP1, airborne noise Rw 43, diffusion resistance factor μ 510	-	500
7	PENETRATION	CONCENTRATED WATERDISPERSION concentrated aqueous dispersions of artificial resins based on acrylic resins with additives, consumption 100g/m ² , dilution ratio 1:4, drying time circa 24 hours	roller, brush or spraying machine	-
8	ADHESIVE BINDER	GYPSUM ADHESIVE BINDER adhesion min. 0.24 MPa, fire reaction class A1, drying time min. 12 hours	stainless steel trowel	20
9	GYPSUM BOARD	GYPSUM BOARD coefficient of thermal conductivity λ , 0.21W/m ² *K, fire reaction class A2-s1,d0, diffusion resistance factor μ 6-10, longitudinal expansion factor in case of humidity change 5-8*10 ⁻³ , compressive strength 5.0 - 10.0 MPa	mechanically anchored	12.5
10	FILLER	UNIVERSAL PASTE FILLER bonding strength > 320N, fire reaction class A2-s1,d0	stainless steel trowel	-
11	PAINT	ONE-COMPONENT, WATER-SOLUBLE PAINT DESIGNED FOR GYPSUM BOARDS internal dispersion paint with organic binders and limestone fillers, water vapour permeability 0.02 m	brush or spraying machine	-

WA3 INTERNAL WALL HELUZ AKU 30

N	FUNCTION	MATERIAL SPECIFICATION	STABILIZATION	THICKNESS
1	PAINT	ONE-COMPONENT, WATER-SOLUBLE PAINT DESIGNED FOR GYPSUM BOARDS internal dispersion paint with organic binders and limestone fillers, water vapour permeability 0.02 m	brush or spraying machine	-
2	FILLER	UNIVERSAL PASTE FILLER bonding strength > 320N, fire reaction class A2-s1,d0	stainless steel trowel	-
3	GYPSUM BOARD	GYPSUM BOARD coefficient of thermal conductivity λ , 0.21W/m ² *K, fire reaction class A2-s1,d0, diffusion resistance factor μ 6-10, longitudinal expansion factor in case of humidity change 5-8*10 ⁻³ , compressive strength 5.0 - 10.0 MPa	mechanically anchored	12.5
4	ADHESIVE BINDER	GYPSUM ADHESIVE BINDER adhesion min. 0.24 MPa, fire reaction class A1, drying time min. 12 hours	stainless steel trowel	20
5	PENETRATION	CONCENTRATED WATERDISPERSION concentrated aqueous dispersions of artificial resins based on acrylic resins with additives, consumption 100g/m ² , dilution ratio 1:4, drying time circa 24 hours	roller, brush or spraying machine	-
6	LOAD-BEARING	LOAD-BEARING MASONRY BRICK monolayer, load-bearing, heat transfer coefficient U 1.0W/m ² *K, coefficient of thermal conductivity λ , 0.363W/m ² *K, fire reaction class A1, fire resistance REI 180 DP1, airborne noise Rw 56, diffusion resistance factor μ 510	-	300
7	PENETRATION	CONCENTRATED WATERDISPERSION concentrated aqueous dispersions of artificial resins based on acrylic resins with additives, consumption 100g/m ² , dilution ratio 1:4, drying time circa 24 hours	roller, brush or spraying machine	-
8	ADHESIVE BINDER	GYPSUM ADHESIVE BINDER adhesion min. 0.24 MPa, fire reaction class A1, drying time min. 12 hours	stainless steel trowel	20
9	GYPSUM BOARD	GYPSUM BOARD coefficient of thermal conductivity λ , 0.21W/m ² *K, fire reaction class A2-s1,d0, diffusion resistance factor μ 6-10, longitudinal expansion factor in case of humidity change 5-8*10 ⁻³ , compressive strength 5.0 - 10.0 MPa	mechanically anchored	12.5
10	FILLER	UNIVERSAL PASTE FILLER bonding strength > 320N, fire reaction class A2-s1,d0	stainless steel trowel	-
11	PAINT	ONE-COMPONENT, WATER-SOLUBLE PAINT DESIGNED FOR GYPSUM BOARDS internal dispersion paint with organic binders and limestone fillers, water vapour permeability 0.02 m	brush or spraying machine	-

WA4 INTERNAL WALL HELUZ 11.5

N	FUNCTION	MATERIAL SPECIFICATION	STABILIZATION	THICKNESS
1	PAINT	ONE-COMPONENT, WATER-SOLUBLE PAINT DESIGNED FOR GYPSUM BOARDS internal dispersion paint with organic binders and limestone fillers, water vapour permeability 0.02 m	brush or spraying machine	-
2	FILLER	UNIVERSAL PASTE FILLER bonding strength > 320N, fire reaction class A2-s1,d0	stainless steel trowel	-
3	GYPSUM BOARD	GYPSUM BOARD coefficient of thermal conductivity λ , 0.21W/m ² *K, fire reaction class A2-s1,d0, diffusion resistance factor μ 6-10, longitudinal expansion factor in case of humidity change 5-8*10 ⁻³ , compressive strength 5.0 - 10.0 MPa	mechanically anchored	12.5
4	ADHESIVE BINDER	GYPSUM ADHESIVE BINDER adhesion min. 0.24 MPa, fire reaction class A1, drying time min. 12 hours	stainless steel trowel	20
5	PENETRATION	CONCENTRATED WATERDISPERSION concentrated aqueous dispersions of artificial resins based on acrylic resins with additives, consumption 100g/m ² , dilution ratio 1:4, drying time circa 24 hours	roller, brush or spraying machine	-
6	PARTITION	PARTITION MASONRY BRICK monolayer, heat transfer coefficient U 1.42W/m ² *K, coefficient of thermal conductivity λ , 0.25W/m ² *K, fire reaction class A1, fire resistance EI 120 DP1, airborne noise Rw 45, diffusion resistance factor μ 510	-	115
7	PENETRATION	CONCENTRATED WATERDISPERSION concentrated aqueous dispersions of artificial resins based on acrylic resins with additives, consumption 100g/m ² , dilution ratio 1:4, drying time circa 24 hours	roller, brush or spraying machine	-
8	ADHESIVE BINDER	GYPSUM ADHESIVE BINDER adhesion min. 0.24 MPa, fire reaction class A1, drying time min. 12 hours	stainless steel trowel	20
9	GYPSUM BOARD	GYPSUM BOARD coefficient of thermal conductivity λ , 0.21W/m ² *K, fire reaction class A2-s1,d0, diffusion resistance factor μ 6-10, longitudinal expansion factor in case of humidity change 5-8*10 ⁻³ , compressive strength 5.0 - 10.0 MPa	mechanically anchored	12.5
10	FILLER	UNIVERSAL PASTE FILLER bonding strength > 320N, fire reaction class A2-s1,d0	stainless steel trowel	-
11	PAINT	ONE-COMPONENT, WATER-SOLUBLE PAINT DESIGNED FOR GYPSUM BOARDS internal dispersion paint with organic binders and limestone fillers, water vapour permeability 0.02 m	brush or spraying machine	-

LEGEND OF MATERIALS

	EXTERNAL WALL, Heluz 50 2in1, 500 mm
	INTERNAL WALL, Heluz, load-bearing
	INTERNAL WALL, Heluz, non load-bearing
	FOUNDATION BRICK, Heluz STL, load-bearing, 400 mm
	THERMAL INSULATION, EPS polystyrene
	THERMAL INSULATION, XPS, 100 mm
	REINFORCED CONCRETE, C20/25 XC1, consistency S3, with reinforcement mesh diameter 4/150 Additional reinforcement B500B - STATIC CALCULATION REQUIRED
	CONCRETE SKEED, calcium sulfate base
	COMPRESSED SOIL, class 6, Rd: 500 kPa
	ORIGINAL SOIL, Type F4 CS, R _{sd} = 150 kPa
	GRAVEL, fraction 32-63
	EXTENSIVE SUBSTRATE, vegetation for succulents
	GRAVEL, fraction 8-16
	GRAVEL, fraction 4-8
	PAVEMENT, interlocking, Premac vegas
	PAVEMENT, interlocking, Premac klassik
	FOUNDATION FORMWORK, concrete blocks filled with C20/25 reinforced by reinforcement bars
	BASE LAYER, concrete C20/25, for securing of even reinforcement cover
	WATERPROOFING, modified SBS, self-adhesive
	HELUZ FAMILY 25 2in1, 250 mm, load bearing

LEGEND OF ELEMENTS

5	FRAME, external stainless steel banister, steel, glass, total height: 1000 mm, 1000x1800
6	FRAME, external stainless steel banister, steel, glass, total height: 1000 mm, 1000x1800
W1	FRAME, space glass laminated window frame, tilting and opening mode, thickness 78 mm, U _g =0.90 W/m ² *K, Sunlight factor 0.75, Sound damping 35 dB, GLAZING double glazing filled with argon, U _g =0.8 W/m ² *K, FITTINGS all-round fitting, safety points, safety against faulty handling, COLOUR black/brown RAL 8022, PARAPET External: galvanized steel sheet, thickness 1.6 mm, expanded length 520 mm, Internal: chipboard laminated oak with rose, thickness 20 mm, 1500x1000
D3	FRAME interior door, spruce wooden frame, right, CASING spruce, FITTINGS 2 safety point door fittings, 1 point safety lock, COLOUR black/brown RAL 8022, THRESHOLD aluminium, BEARING handle - handle, ACUSTICS Rw = 32 dB, 2000x2020
D8	FRAME interior door, spruce wooden frame, right, CASING spruce, FITTINGS 2 safety point door fittings, 1 point safety lock, COLOUR black/brown RAL 8022, THRESHOLD aluminium, BEARING handle - handle, ACUSTICS Rw = 32 dB, 800x2020
D9	BATHROOM toilet door, prefabricated, 900x2100
F1	ATTIC FLASHING, galvanized steel, thickness 1.6 mm, expanded length 895, 210, 145 mm
R8	CEILING BRACING, additional reinforcement, 200 x 130 mm, 4 x R10, slumps R6

NOTES:

- DROPPED PLASTERBOARD CEILING HEIGHT MODIFIED DURING THE CONSTRUCTION ACCORDING TO TECHNICAL NEEDS
- ALL LINTELS MUST BE PLACED ON LAYER OF MODIFIED SBS BITUMEN FELT, SEE DETAIL A
- COMPOSITIONS OF WALLS AND FLOORS CAN BE SEEN IN THE ANNEX D.1.1.1
- LIST OF EXTERNAL DOORS CAN BE SEEN IN THE ANNEX D.1.2.11
- LIST OF INTERNAL DOORS CAN BE SEEN IN THE ANNEX D.1.1.13 AND D.1.2.14
- LIST OF LOCKSMITH ELEMENTS CAN BE SEEN IN THE ANNEX D.1.2.15
- LIST OF TINSMITH ELEMENTS CAN BE SEEN IN THE ANNEX D.1.2.16
- LIST OF ADDITIONAL ELEMENTS CAN BE SEEN IN THE ANNEX D.1.2.17
- RING REINFORCEMENT DESIGNED ACCORDING TO HELUZ STANDARDS, BARS 4x10 mm
- REAL DIMENSIONS MUST COMPLY WITH STATIC DESIGN CALCULATION
- EXACT FLAT ROOF'S KEYS IN SLOPE DRAINAGE PLAN DESIGNED BY COMPANY ISOVER

LEGEND OF LINTELS 1st ABOVE GROUND FLOOR

SIGN	SKETCH	DESCRIPTION	DIMENSIONS	TOTAL AMOUNT	HEIGHT	NOTE
L1		4 x HELUZ 23.8b-250	2500/70/238	4 x 6 = 24	+2 020 / +2 258	thermally insulated by XPS
L2		4 x HELUZ 23.8b-125	1250/70/238	4 x 6 = 24	+2 020 / +2 258	thermally insulated by XPS
L3		3 x HELUZ 23.8b-250	2500/70/238	3 x 3 = 9	+2 020 / +2 258	
L4		3 x HELUZ 23.8b-125	1250/70/238	3 x 16 = 48	+2 020 / +2 258	
L5		1 x HELUZ 11.5-125	1250/115/71	1 x 25 = 25	+2 020 / +2 269	
L6		4 x HELUZ 23.8b-175	1750/70/238	4 x 26 = 104	+2 295 / +2 533	thermally insulated by XPS

- FOR BETTER ORIENTATION HEIGHT OF LINTELS AVAILABLE IN THE LEGEND OF LINTELS ONLY

LEGEND OF LINTELS 2nd ABOVE GROUND FLOOR

SIGN	SKETCH	DESCRIPTION	DIMENSIONS	TOTAL AMOUNT	HEIGHT	NOTE
L2		4 x HELUZ 23.8b-125	1250/70/238	4 x 4 = 16	+5 940 / +6 178	thermally insulated by XPS
L3		3 x HELUZ 23.8b-250	2500/70/238	3 x 1 = 3	+5 940 / +6 178	
L4		3 x HELUZ 23.8b-125	1250/70/238	3 x 1 = 45	+5 940 / +6 178	
L5		1 x HELUZ 11.5-125	1250/115/71	1 x 13 = 13	+5 940 / +6 189	
L6		4 x HELUZ 23.8b-175	1750/70/238	4 x 16 = 64	+6 303 / +6 541	thermally insulated by XPS

FOR BETTER ORIENTATION HEIGHT OF LINTELS AFTER THE LEGEND OF LINTELS ONLY