

C1 - PERIPHERAL BASEMENT WALL

FUNCTION	MATERIAL	THICKNESS	PROPERTIES
INTERIOR FINISH	INTERNAL LIME-CEMENT PLASTER BAUMIT FL 68	15 mm	
PENETRATION COATING	BAUMIT GRUND	1 mm	
LOAD-BEARING	CONCRETE C30/37	300 mm	
PENETRATION	BITUMEN BASED	2 mm	
DAMPPROOFING	BITUMEN FELT	4 mm	
THERMAL INSULATION	AUSTROTHERM XPS TOP 30 SF	140 mm	$\lambda=0,033 \text{ W/Mk}$
ADHESION	CEMENT BASED ADHESIVE BAUMIT STARCONTACT	10 mm	
REINFORCEMENT	REINFORCING FIBRE GLASS MESH BAUMIT STARTEX	-	
PENETRATION COATING	BAUMIT GRUND	1 mm	
EXTERIOR FINISH	EXTERNAL LIME-CEMENT PLASTER BAUMIT FL 68	15 mm	

C2 – INTERIOR BASEMENT LOAD BEARING WALL

FUNCTION	MATERIAL	THICKNESS	PROPERTIES
INTERIOR FINISH	INTERNAL LIME-CEMENT PLASTER BAUMIT FL 68	15 mm	
PENETRATION COATING	BAUMIT GRUND	1 mm	
LOAD-BEARING	CONCRETE C30/37	250 mm	
PENETRATION COATING	BAUMIT GRUND	1 mm	
EXTERIOR FINISH	EXTERNAL LIME-CEMENT PLASTER BAUMIT FL 68	15 mm	

C3 - INTERIOR PARTITION WALL

FUNCTION	MATERIAL	THICKNESS	PROPERTIES
INTERIOR FINISH	INTERNAL LIME-CEMENT PLASTER BAUMIT FL 68	15 mm	
PENETRATION COATING	BAUMIT GRUND	1 mm	
LOAD-BEARING	MASONRY FROM POROTHERM 11.5 PROFI	115 mm	$\lambda=0,250 \text{ W/Mk}$
PENETRATION COATING	BAUMIT GRUND	1 mm	
EXTERIOR FINISH	EXTERNAL LIME-CEMENT PLASTER BAUMIT FL 68	15 mm	

C4 - PERIPHERAL WALL

FUNCTION	MATERIAL	THICKNESS	PROPERTIES
PAINT	PAINT	3 mm	
INTERIOR FINISH	INTERNAL LIME-CEMENT PLASTER BAUMIT FL 68	15 mm	
PENETRATION COATING	BAUMIT GRUND	1 mm	
LOAD-BEARING	MASONRY FROM POROTHERM 30 P10	300 mm	$\lambda=0,170 \text{ W/Mk}$
ADHESION	CEMENT BASED ADHESIVE Baumit Baumacol FlexUni	10 mm	
THERMAL INSULATION	EPS ISOVER EPS GREYWALL PLUS	140 mm	$\lambda=0,031 \text{ W/Mk}$
ADHESION	CEMENT BASED ADHESIVE BAUMIT STARCONTACT	10 mm	
REINFORCEMENT	REINFORCING FIBRE GLASS MESH BAUMIT STARTEX	-	
PENETRATION COATING	BAUMIT GRUND	1 mm	
EXTERIOR FINISH	EXTERNAL LIME-CEMENT PLASTER BAUMIT FL 68	15 mm	

C5 - INTERIOR ACOUSTIC WALL – TECHNICAL ROOM

FUNCTION	MATERIAL	THICKNESS	PROPERTIES
INTERIOR FINISH	INTERNAL LIME-CEMENT PLASTER BAUMIT FL 68	15 mm	
PENETRATION COATING	BAUMIT GRUND	1 mm	
LOAD-BEARING	MASONRY FROM POROTHERM 19 AKU PROFI	190 mm	$\lambda=0,290 \text{ W/Mk}$
PENETRATION COATING	BAUMIT GRUND	1 mm	
EXTERIOR FINISH	INTERNAL LIME-CEMENT PLASTER BAUMIT FL 68	15 mm	

C6 – INSTALLATION SHAFT WALL

FUNCTION	MATERIAL	THICKNESS	PROPERTIES
INTERIOR FINISH	INTERNAL GYPSUM PLASTER BAUMIT RATIO GLATT	15 mm	
PENETRATION COATING	BAUMIT GRUND	1 mm	
LOAD-BEARING	MASONRY FROM POROTHERM 11.5 PROFI	115 mm	$\lambda=0,250 \text{ W/Mk}$
PENETRATION COATING	BAUMIT GRUND	1 mm	
EXTERIOR FINISH	INTERNAL GYPSUM PLASTER BAUMIT RATIO GLATT	15 mm	

C7 – INTERIOR ACOUSTIC WALL (CERAMIC TILES)

FUNCTION	MATERIAL	THICKNESS	PROPERTIES
FIRST INTERIOR FINISH	CERAMIC TILES RAKO SERIE VEIN FLASH, 300mm x 600mm	10 mm	
ADHESION	ADHESIVE MORTAR Baumit Baumacol Basic	10 mm	
SECOND INTERIOR FINISH	INTERNAL GYPSUM PLASTER BAUMIT RATIO GLATT	15 mm	
PENETRATION COATING	BAUMIT GRUND	1 mm	
LOAD-BEARING	MASONRY FROM POROTHERM 25 AKU Z P15	250 mm	$\lambda=0,300 \text{ W/Mk}$
PENETRATION COATING	BAUMIT GRUND	1 mm	
EXTERIOR FINISH	INTERNAL GYPSUM PLASTER BAUMIT RATIO GLATT	15 mm	

C8 - PERIPHERAL WALL (CERAMIC TILES)

FUNCTION	MATERIAL	THICKNESS	PROPERTIES
FIRST INTERIOR FINISH	CERAMIC TILES RAKO SERIE VEIN FLASH, 300mm x 600mm	10 mm	
ADHESION	ADHESIVE MORTAR Baumit Baumacol Basic	10 mm	
SECOND INTERIOR FINISH	INTERNAL GYPSUM PLASTER BAUMIT RATIO GLATT	15 mm	
PENETRATION COATING	BAUMIT GRUND	1 mm	
LOAD-BEARING	MASONRY FROM POROTHERM 30 P10	300 mm	$\lambda=0,170 \text{ W/Mk}$
ADHESION	CEMENT BASED ADHESIVE Baumit Baumacol FlexUni	10 mm	
THERMAL INSULATION	EPS ISOVER EPS GREYWALL PLUS	140 mm	$\lambda=0,031 \text{ W/Mk}$
ADHESION	CEMENT BASED ADHESIVE BAUMIT STARCONTACT	10 mm	
REINFORCEMENT	REINFORCING FIBRE GLASS MESH BAUMIT STARTEX	-	
PENETRATION COATING	BAUMIT GRUND	1 mm	
EXTERIOR FINISH	EXTERNAL LIME-CEMENT PLASTER BAUMIT FL 68	15 mm	

C9 - INTERIOR PARTITION WALL (CERAMIC TILES)

FUNCTION	MATERIAL	THICKNESS	PROPERTIES
FIRST INTERIOR FINISH	CERAMIC TILES RAKO SERIE VEIN FLASH, 300mm x 600mm	10 mm	
ADHESION	ADHESIVE MORTAR Baumit Baumacol Basic	10 mm	
SECOND INTERIOR FINISH	INTERNAL LIME-CEMENT PLASTER BAUMIT FL 68	15 mm	
PENETRATION COATING	BAUMIT GRUND	1 mm	
LOAD-BEARING	MASONRY FROM POROTHERM 11.5 PROFI	115 mm	$\lambda=0,250 \text{ W/Mk}$
PENETRATION COATING	BAUMIT GRUND	1 mm	
EXTERIOR FINISH	INTERNAL LIME-CEMENT PLASTER BAUMIT FL 68	15 mm	

C10 - INTERIOR PARTITION WALL (CERAMIC TILES ON BOTH SURFACES)

FUNCTION	MATERIAL	THICKNESS	PROPERTIES
FIRST INTERIOR FINISH	CERAMIC TILES RAKO SERIE VEIN FLASH, 300mm x 600mm	10 mm	
ADHESION	ADHESIVE MORTAR Baumit Baumacol Basic	10 mm	
SECOND INTERIOR FINISH	INTERNAL LIME-CEMENT PLASTER BAUMIT FL 68	15 mm	
PENETRATION COATING	BAUMIT GRUND	1 mm	
LOAD-BEARING	MASONRY FROM POROTHERM 11.5 PROFI	115 mm	$\lambda=0,250 \text{ W/Mk}$
PENETRATION COATING	BAUMIT GRUND	1 mm	
SECOND EXTERIOR FINISH	INTERNAL LIME-CEMENT PLASTER BAUMIT FL 68	15 mm	
ADHESION	ADHESIVE MORTAR Baumit Baumacol Basic	10 mm	
FIRST INTERIOR FINISH	CERAMIC TILES RAKO SERIE VEIN FLASH, 300mm x 600mm	10 mm	

F1 -CERAMIC FLOOR ON THE FIRST FLOOR

FUNCTION	MATERIAL	THICKNESS	PROPERTIES
FLOOR FINISH	CERAMIC TILES FROM RAKO Quarzit DAK63738 sintered, glazed dark gray tile 60 x 60 cm	10 mm	
ADHESION	FLEXIBLE CEMENT ADHESIVE FOR CERAMIC TILES BAUMIT FLEXTOP S1	5 mm	
COHESION	PENETRATION PRIMER BAUMIT GRUND	-	
WATERPROOFING	SINGLE COMPONENT WATERPROOFING COATING BAUMACOL PROTECT 2K	2 mm	
LEVELING	LEVELING CEMENT SCREED UNDER FLOOR COVERING CERESIT CN 87	55 mm	
SEPERATION	PE FOIL	-	
ACOUSTIC AND THERMAL INSULATION	EPS ISOVER RIGIFLOOR 4000	50 mm	$\lambda=0,044 \text{ W/Mk}$
LOAD BEARING	REINFORCED CONCRETE C30/37	160 mm	
COHESION	PENETRATION PRIMER WEBERPODKLAD A	-	
ADHESION	CEMENT-BASED ADHESIVE WEBERTHERM ELASTIK	5 mm	
THERMAL INSULATION	STONE WOOL STROPROCK G	100 mm	$\lambda=0,037 \text{ W/Mk}$
PENETRATION	PENETRATION LAYER	-	
SURFACE FINISH	INTERIOR PLASTER	10 mm	

F2- CERAMIC FLOOR ON ABOVE THE 1ST FLOOR

FUNCTION	MATERIAL	THICKNESS	PROPERTIES
FLOOR FINISH	CERAMIC TILES FROM RAKO Quarzit DAK63738 dlaždice slinutá, glazovaná tmavě šedá 60 x 60 cm	10 mm	
ADHESION	FLEXIBLE CEMENT ADHESIVE FOR CERAMIC TILES BAUMIT FLEXTOP S1	5 mm	
COHESION	PENETRATION PRIMER BAUMIT GRUND	-	
WATERPROOFING	SINGLE COMPONENT WATERPROOFING COATING BAUMACOL PROTECT 2K	2 mm	
LEVELING	LEVELING CEMENT SCREED UNDER FLOOR COVERING CERESIT CN 87	55 mm	
SEPERATION	PE FOIL	-	
ACOUSTIC AND THERMAL INSULATION	EPS ISOVER RIGIFLOOR 4000	50 mm	$\lambda=0,044 \text{ W/Mk}$
LOAD BEARING	REINFORCED CONCRETE C30/37	160 mm	
PENETRATION	PENETRATION LAYER	-	
SURFACE FINISH	INTERIOR PLASTER	10 mm	

F3-CERAMIC FLOOR ABOVE THE 1ST FLOOR

FUNCTION	MATERIAL	THICKNESS	PROPERTIES
FLOOR FINISH	CERAMIC TILES FROM RAKO Quarzit DAK63738 dlaždice slinutá, glazovaná tmavě šedá 60 x 60 cm	10 mm	
ADHESION	FLEXIBLE CEMENT ADHESIVE FOR CERAMIC TILES BAUMIT FLEXTOP S1	5 mm	
COHESION	PENETRATION PRIMER BAUMIT GRUND	-	
LEVELING	LEVELING CEMENT SCREED UNDER FLOOR COVERING CERESIT CN 87	55 mm	
SEPERATION	PE FOIL	-	
ACOUSTIC AND THERMAL INSULATION	EPS ISOVER RIGIFLOOR 4000	50 mm	$\lambda=0,044 \text{ W/Mk}$
LOAD BEARING	REINFORCED CONCRETE C30/37	160 mm	
PENETRATION	PENETRATION LAYER	-	
SURFACE FINISH	INTERIOR PLASTER	10 mm	

F4-LAMINATE FLOOR ON THE 1st FLOOR

FUNCTION	MATERIAL	THICKNESS	PROPERTIES
FLOOR FINISH	LAMINATE FLOOR QUICK.STEP IM1848	8 mm	
PROTECTION	UNDERLAY MAT QUICK.STEP SILENT WALK	2 mm	
SEPERATION	PE STRIPS	-	
LEVELING	LEVELING CEMENT SCREED UNDER FLOOR COVERING CERESIT CN 87	60 mm	
SEPERATION	PE FOIL	-	
ACOUSTIC AND THERMAL INSULATION	EPS ISOVER RIGIFLOOR 4000	50 mm	$\lambda=0,044 \text{ W/Mk}$
LOAD BEARING	REINFORCED CONCRETE C30/37	160 mm	
COHESION	PENETRATION PRIMER WEBERPODKLAD A	-	
ADHESION	CEMENT-BASED ADHESIVE WEBERTHERM ELASTIK	5 mm	
THERMAL INSULATION	STONE WOOL STROPROCK G	100 mm	$\lambda=0,037 \text{ W/Mk}$
PENETRATION	PENETRATION LAYER	-	
SURFACE FINISH	INTERIOR PLASTER	10 mm	

F5-LAMINATE FLOOR ABOVE THE 1ST FLOOR

FUNCTION	MATERIAL	THICKNESS	PROPERTIES
FLOOR FINISH	LAMINATE FLOOR QUICK.STEP IM1848	8 mm	
PROTECTION	UNDERLAY MAT QUICK.STEP SILENT WALK	2 mm	
SEPERATION	PE STRIPS	-	
LEVELING	LEVELING CEMENT SCREED UNDER FLOOR COVERING CERESIT CN 87	60 mm	
SEPERATION	PE FOIL	-	
ACOUSTIC AND THERMAL INSULATION	EPS ISOVER RIGIFLOOR 4000	50 mm	$\lambda=0,044 \text{ W/Mk}$
LOAD BEARING	REINFORCED CONCRETE C30/37	160 mm	
PENETRATION	PENETRATION LAYER	-	
SURFACE FINISH	INTERIOR PLASTER	10 mm	

F7 - BASEMENT FLOOR

FUNCTION	MATERIAL	THICKNESS	PROPERTIES
FLOOR FINISH	FIBER – REINFORCED CONCRETE DRATKOBETON(?)	100 mm	
SEPERATION	PE FOIL	-	
ACOUSTIC AND THERMAL INSULATION	XPS Austrotherm XPS TOP 50 SF	80 mm	$\lambda=0,033$ W/Mk
DAMP-PROOFING	SBS MODIFIED ASPHALT STRIP GLASTEK 40 SPECIAL MINERAL	4 mm	
PENETRATION	ASPHALT PENETRATION EMULSION DEKPRIMER	-	
LOAD BEARING	REINFORCED CONCRETE C30/37	160 mm	
SUBFLOOR SLAB	FOUNDATION STRIPS	400 mm	
BASE LAYER	ORIGINAL SOIL	-	

F6 - BASEMENT FLOOR

(HALL-STAIRCASE HALL)

FUNCTION	MATERIAL	THICKNESS	PROPERTIES
FLOOR FINISH	CERAMIC TILES FROM RAKO Quarzit DAK63738 dlaždice slinutá, glazovaná tmavě šedá 60 x 60 cm	10 mm	
ADHESION	FLEXIBLE CEMENT ADHESIVE FOR CERAMIC TILES BAUMIT FLEXTOP S1	5 mm	
COHESION	PENETRATION PRIMER BAUMIT GRUND	-	
WATERPROOFING	SINGLE COMPONENT WATERPROOFING COATING BAUMACOL PROTECT 2K	2 mm	
LEVELING	LEVELING CEMENT SCREED UNDER FLOOR COVERING CERESIT CN 87	83 mm	
SEPERATION	PE FOIL	-	
ACOUSTIC AND THERMAL INSULATION	XPS Austrotherm XPS TOP 50 SF	80 mm	$\lambda=0,033 \text{ W/Mk}$
DAMP-PROOFING	SBS MODIFIED ASPHALT STRIP GLASTEK 40 SPECIAL MINERAL	4 mm	
PENETRATION	ASPHALT PENETRATION EMULSION DEKPRIMER	-	
LOAD BEARING	REINFORCED CONCRETE C30/37	160 mm	
SUBFLOOR SLAB	CONCRETE BASE LAYER	100 mm	
BASE LAYER	ORIGINAL SOIL	-	

F9-TERRACE FLOOR ON THE 1ST FLOOR

FUNCTION	MATERIAL	THICKNESS	PROPERTIES
FLOOR FINISH	CERAMIC TILES FROM RAKO Betonico DAF63790 sintered floor tile, glazed white-grey 60 x 60 cm	10 mm	
ADHESION	FLEXIBLE CEMENT ADHESIVE FOR CERAMIC TILES BAUMIT FLEXTOP S1	5 mm	
COHESION	PENETRATION PRIMER BAUMIT GRUND	-	
WATERPROOFING	SINGLE COMPONENT WATERPROOFING COATING BAUMACOL PROTECT 2K	2 mm	
THERMAL INSULATION	XPS AUSTROTHERM UNIVERSALPLATTE	120 mm	$\lambda=0,033 \text{ W/Mk}$
SEPERATION	PE FOIL	-	
LEVELING	LEVELING CEMENT SCREED UNDER FLOOR COVERING CERESIT CN 87	20 mm	
DAMP-PROOFING	SBS MODIFIED ASPHALT STRIP GLASTEK 40 SPECIAL MINERAL	4 mm	
LOAD BEARING	REINFORCED CONCRETE C30/37	160 mm	
COHESION	PENETRATION PRIMER WEBERPODKLAD A	-	
ADHESION	CEMENT-BASED ADHESIVE WEBERTHERM ELASTIK	5 mm	
THERMAL INSULATION	STONE WOOL STROPROCK G	100 mm	$\lambda=0,037 \text{ W/Mk}$
PENETRATION	PENETRATION LAYER	-	
SURFACE FINISH	INTERIOR PLASTER	10 mm	

F8-BALCONY FLOOR ABOVE THE FIRST FLOOR

FUNCTION	MATERIAL	THICKNESS	PROPERTIES
FLOOR FINISH	CERAMIC TILES FROM RAKO Betonico DAF63790 sintered floor tile, glazed white-grey 60 x 60 cm	10 mm	
ADHESION	FLEXIBLE CEMENT ADHESIVE FOR CERAMIC TILES BAUMIT FLEXTOP S1	5 mm	
COHESION	PENETRATION PRIMER BAUMIT GRUND	-	
LEVELING	LEVELING CEMENT SCREED UNDER FLOOR COVERING CERESIT CN 87	105 mm	
LOAD BEARING	REINFORCED CONCRETE C30/37	160 mm	
PENETRATION	PENETRATION LAYER	-	
FINISH	LIME GYPSUM PLASTER	10 mm	

F10-TERRACE FLOOR ABOVE THE 1ST FLOOR (3RD AND 4TH FLOORS)

FUNCTION	MATERIAL	THICKNESS	PROPERTIES
FLOOR FINISH	CONCRETE TILES FROM LINDNER LIGNA 600x600 mm	39 mm	
RAISING COLUMN	PEDESTAL FROM LINDNER	83-153 mm	
ADHESION	PEDESTAL GLUE	-	
FILTRATION	FILTRATION FLEECE OPTIGRUN FILTER FLEECE FIL 300	3 mm	
ACCUMULATION	PROTECTION AND DRAINAGE BOARD OPTIGRUN FKD 25	25 mm	
SEPARATION LAYER	PROTECTION AND STORAGE FLEECE OPTIGRUN RMS 300 FLL APPROVED	4 mm	
WATERPROOFING	SBS MODIFIED ASPHALT STRIP GLASTEK 40 SPECIAL MINERAL	4 mm	
THERMAL INSULATION	STONE WOOL ISOVER INTENSE	180 mm	$\lambda=0,035 \text{ W/Mk}$
SLOPING THERMAL INSULATION	STONE WOOL ISOVER INTENSE	MIN. 5 mm	$\lambda=0,035 \text{ W/Mk}$
VAPOUR BARRIER	BITUMEN FELT	4 mm	
LOAD BEARING	REINFORCED CONCRETE C30/37	160 mm	
PENETRATION	PENETRATION LAYER	-	
FINISH	LIME GYPSUM PLASTER	10 mm	

F11-ROOF FLOOR

FUNCTION	MATERIAL	THICKNESS	PROPERTIES
ROOF FINISH	VEGETATION	30-35 mm	
GROWING MEDIUM	VEGETATION SUBSTRATE	60 mm	
FILTRATION	FILTRATION FLEECE OPTIGRUN FILTER FLEECE FIL 300	3 mm	
ACCUMULATION	PROTECTION AND DRAINAGE BOARD OPTIGRUN FKD 25	25 mm	
SEPARATION LAYER	PROTECTION AND STORAGE FLEECE OPTIGRUN RMS 300 FLL APPROVED	4 mm	
WATERPROOFING	SBS MODIFIED ASPHALT STRIP ELASTEK 50 SPECIAL DEKOR, BLACK	4 mm	
WATERPROOFING	SBS MODIFIED ASPHALT STRIP GLASTEK 40 SPECIAL MINERAL	4 mm	
THERMAL INSULATION	EPS ISOVER RIGIFLOOR 4000	200 mm	$\lambda=0,044 \text{ W/Mk}$
SLOPING THERMAL INSULATION	EPS ISOVER RIGIFLOOR 4000	MIN 50mm	$\lambda=0,044 \text{ W/Mk}$
VAPOUR BARRIER	BITUMEN FELT	4 mm	
LOAD BEARING	REINFORCED CONCRETE C30/37	160 mm	
PENETRATION	PENETRATION LAYER	-	
FINISH	LIME GYPSUM PLASTER	10 mm	