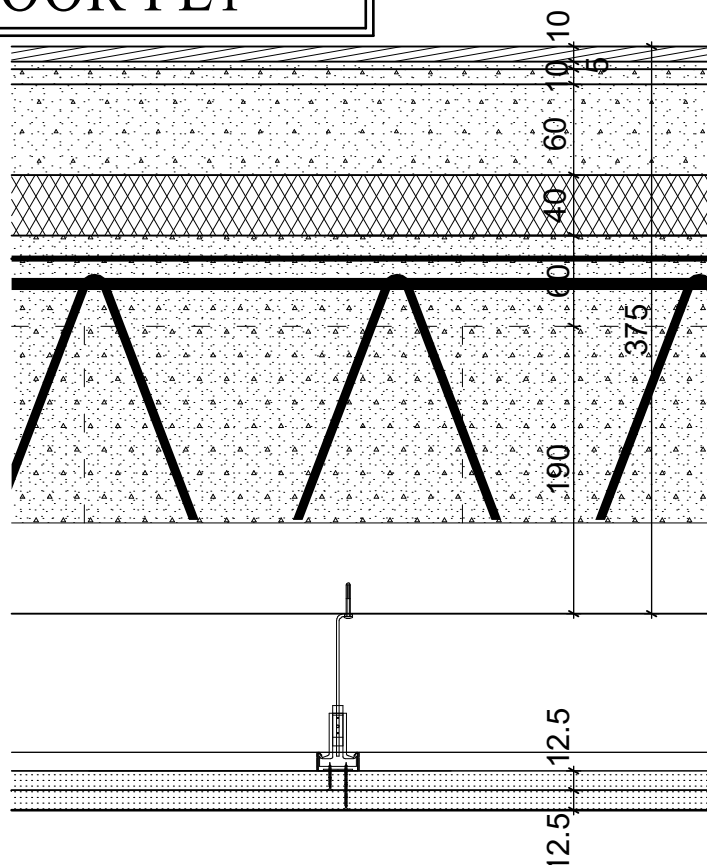


FIRST FLOOR FL1

SC 1:5



COMPOSITION OF FLOOR IN 2nd ABOVE GROUND FLOOR

N	FUNCTION	MATERIAL SPECIFICATION	STABILIZATION	THICKNESS
1	SURFACE FINISH	LAMINATE FLOORING marmoleum 2 mm on top finish, load-bearing 7 mm, bottom 1 mm	lock connected	10
2	SEPARATION	PE FOAM LAYER mirelon layer	-	5
3	LEVELING	SELF-LEVELING SCREED 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*K, density 2100 kg/m ³ initial setting 15-30 minutes, final setting 60-90 minutes, curing 48 hours	smoothing trowel or screeding rake	10
4	GROUTING	GROUTING CONCRETE SCREED concrete C20/25 XC1, consistency S3, with reinforcement mesh diameter 4/150		60
5	SEPARATION	PLASTIC FOIL PE foil	-	-
6	INSULATION	STEP INSULATION elasticized polystyrene, thermal resistance R 0.40 m ² *K/W, coefficient of thermal conductivity λ_u 0.037W/m*K, fire reaction class E, compressive strength 6.0 MPa	-	40
7	GROUTING	GROUTING CONCRETE concrete C20/25 XC1, consistency S3, with reinforcement mesh diameter 4/150	-	60
8	LOAD-BEARING	CEILING JOIST + CARTRIDGE reinforced concrete, fire reaction class A1, fire resistance REI 180 D1	-	190
9	CEILING	GYPSUM BOARD + INSTALLATION GAP suspended ceiling, coefficient of thermal conductivity λ_u 0.21W/m*K, fire reaction class A2-s1,d0, diffusion resistance factor μ 6-10, longitudinal expansion factor in case of humidity change 5-8*10 ⁻⁶ , compressive strength 5.0 - 10.0 MPa	-	2x12.5