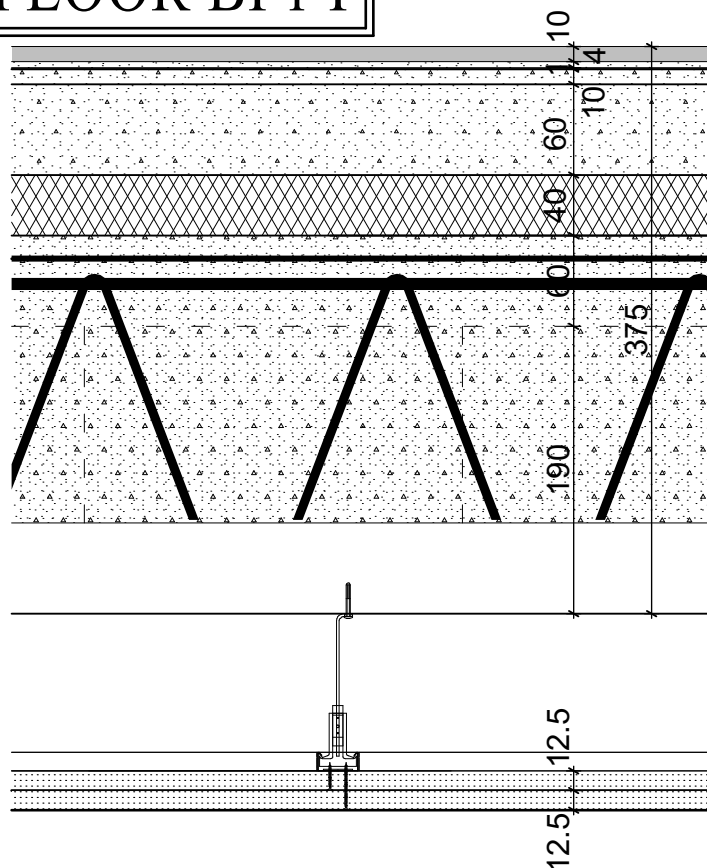


# BATHROOM FLOOR BF1 I

SC 1:5



## COMPOSITION OF FLOOR IN 2<sup>nd</sup> 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 <sup>2</sup> , compressive strength $\geq 15$ N/mm <sup>2</sup>	rubber trowel	-
2	SURFACE FINISH	CERAMIC TILES dimenstions 30 x 30 cm, coefficient of thermal conductivity $\lambda_u$ 1.01W/m*K, diffusion resistance factor $\mu > 0.5$ , anti-slip R11	-	10
3	TILE ADHESIVE	CEMENT BASED ADHESIVE WITH EXTENDED OPEN TIME AND REDUCED SLIP curing time 24 hours, consumption 3-5 kg/m <sup>2</sup> , 4 mm in case of 30x30cm tiles, tensile adhesion strength $\geq 1.0$ N/mm <sup>2</sup> , fire reaction class A1, slip $>0.5$ N/mm <sup>2</sup>	stainless steel trowel	4.0
4	WATERPROOFING	ACRYLIC EMULSION BASED, ONE COMPONENT ELASTIC WATERPROOFING curing time 4 hours, consumption 1.5 kg/m <sup>2</sup> , 3 layers, tensile strength $\geq 0.8$ N/mm <sup>2</sup> , tensile adhesion strength $\geq 0.8$ N/mm <sup>2</sup> , water-vapour permeability class I, equivalent air thickness $S_d < 5$	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 <sup>2</sup> , 2 layers needed	roller, brush or spraying machine	-
6	LEVELING	SELF-LEVELING SCREED calcium sulfate base, thickness from 2.5 to 10 mm, compressive strength $>35$ N/mm <sup>2</sup> , coefficient of thermal conductivity $\lambda$ 1.4 W/m*K, density 2100 kg/m <sup>3</sup> initial setting 15-30 minutes, final setting 60-90 minutes, curing 48 hours	smoothing trowel or screeding rake	10
7	GROUTING	GROUTING CONCRETE SCREED concrete C20/25 XC1, consistancy S3, with reinforcement mesh diameter 4/150		60
8	SEPARATION	PLASTIC FOIL PE foil	-	-
9	INSULATION	STEP INSULATION elasticized polystyrene, thermal resistance R 0.40 m <sup>2</sup> *K/W, coefficient of thermal conductivity $\lambda_u$ 0.037W/m*K, fire reaction class E, compressive strength 6.0 MPa	-	40