



PORCELAIN GRES TILE. $S = 1 \text{ cm.}$ $\lambda = 1 \text{ W/mK}$

MORTAR COMPOSED OF CEMENT AND SAND 1:8 $S = 4,5 \text{ cm.}$ $\lambda = 1 \text{ W/mK}$

REINFORCED CONCRETE. $S = 4 \text{ cm.}$ $\lambda = 1,16 \text{ W/mK}$

PE-X GIACOTHERM PIPE $\varnothing = 15 \text{ cm}$

VAPOR BARRIER IN POLYSTYRENE TO HOLD THE PIPES $S = 0,4 \text{ cm}$ $\lambda = 0,16 \text{ W/mK}$

RIGID FOAM INSULATION OF XPS. (EXTRUDED POLYSTYRENE) WHICH HAS A CLOSED CELL STRUCTURE. $S = 3 \text{ cm.}$ $\lambda = 0,035 \text{ W/mK}$

MORTAR COMPOSED OF CEMENT AND SAND 1:8 $S = 4 \text{ cm.}$ $\lambda = 1 \text{ W/mK}$

RIGID FOAM INSULATION OF XPS. (EXTRUDED POLYSTYRENE) WHICH HAS A CLOSED CELL STRUCTURE. $S = 12 \text{ cm.}$ $\lambda = 0,035 \text{ W/mK}$

WAFFLE SLAB OF REINFORCED CONCRETE $S = 30 \text{ cm.}$ $\lambda = 1,16 \text{ W/mK}$

U = 0,21 < 0,33 W/m² K

01 FLOOR TYPE 7

A-1.6 SCALE: 1/5

MARBLE TILE. $S = 2,5 \text{ cm.}$ $\lambda = 3,5 \text{ W/mK}$

MORTAR COMPOSED OF CEMENT AND SAND 1:8 $S = 3 \text{ cm.}$ $\lambda = 1,16 \text{ W/mK}$

REINFORCED CONCRETE. $S = 4 \text{ cm.}$ $\lambda = 1,16 \text{ W/mK}$

PE-X GIACOTHERM PIPE $\varnothing = 15 \text{ cm}$

VAPOR BARRIER IN POLYSTYRENE TO HOLD THE PIPES $S = 0,4 \text{ cm}$ $\lambda = 0,16 \text{ W/mK}$

RIGID FOAM INSULATION OF XPS. (EXTRUDED POLYSTYRENE) WHICH HAS A CLOSED CELL STRUCTURE. $S = 3 \text{ cm.}$ $\lambda = 0,035 \text{ W/mK}$

MORTAR COMPOSED OF CEMENT AND SAND 1:8 $S = 4 \text{ cm.}$ $\lambda = 1 \text{ W/mK}$

RIGID FOAM INSULATION OF XPS. (EXTRUDED POLYSTYRENE) WHICH HAS A CLOSED CELL STRUCTURE. $S = 12 \text{ cm.}$ $\lambda = 0,035 \text{ W/mK}$

WAFFLE SLAB OF REINFORCED CONCRETE $S = 30 \text{ cm.}$ $\lambda = 1,16 \text{ W/mK}$

U = 0,21 < 0,33 W/m² K

02 FLOOR TYPE 8

A-1.6 SCALE: 1/5

EXPANDED POLYESTHYRENE. $S = 2 \text{ cm.}$

GROUP 6

COURSE:

TECHNOLOGICAL DESIGN

SCHOOL:

SEMESTER: SPRING 2011

INSTRUCTORS:

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ISSUE DATES:

1. 17-05-2011
2. 31-05-2011
3. 07-06-2011
4. 14-06-2011
5. 21-06-2011
6.
7.
8.

SHEET AUTHOR(S): MARZO FERRER, FCO. JAVIER

PROJECT:

ENVIRONMENTAL HOME

ITALIA

LECCO, LOMBARDIA

SHEET TITLE:

FLOOR TYPES & COMPOSITION

SHEET No.: A-1.6

FILE NAME: F.T. & C. .DWG