



- 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  $S = 30 \text{ cm. } \lambda = 1,16 \text{ W/mK}$

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

**VI**

**GROUP 6**

COURSE:  
TECHNOLOGICAL DESIGN

SCHOOL:

SEMESTER: SPRING 2011

INSTRUCTORS:  
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- ISSUE DATES:
1. 17-05-2011
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  - 6.
  - 7.
  - 8.

**01 FLOOR TYPE 4**  
A-1.4 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  $S = 30 \text{ cm. } \lambda = 1,16 \text{ W/mK}$

**02 FLOOR TYPE 5**  
A-1.4 SCALE: 1/5

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

PROJECT: ENVIRONMENTAL HOME

LECCO, LOMBARDIA

ITALIA

SHEET TITLE:  
FLOOR TYPES & COMPOSITION

SHEET No.:  
A-1.4

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