

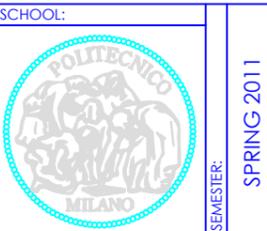
- GRAVEL. FOR ROOF PROTECTION, WITH DIFFERENT STONE SIZES TO FILTER THE WATER.  
S = 7 cm.  $\lambda = 2 \text{ W/mK}$
- UNCOUPLING LAYER. SYNTHETIC NET FIBER TO UNCOUPLING AND PROTECT THE WATERPROOF LAYER.  
S = 0,2 cm.  $\lambda = 0,05 \text{ W/mK}$
- RIGID FOAM INSULATION OF XPS. (EXTRUDED POLYSTYREN) WHICH HAS A CLOSED CELL STRUCTURE.  
S = 12 cm.  $\lambda = 0,035 \text{ W/mK}$
- UNCOUPLING LAYER. SYNTHETIC NET FIBER TO UNCOUPLING AND PROTECT THE WATERPROOF LAYER.  
S = 0,2 cm.  $\lambda = 0,05 \text{ W/mK}$
- WATER PROOF LAYER OF MODIFIED BITUMEN SBS. WITH REINFORCEMENT OF POLIESTER FIBER WITH NONSTICK FINISHING.  
S = 0,5 cm  $\lambda = 0,23 \text{ W/mK}$
- CONCRETE. USED FOR BUILD UP OF ROOF SLOPE. S = 5,7 cm
- WAFFLE SLAB OF REINFORCED CONCRETE S = 30 cm.  $\lambda = 1,16 \text{ W/mK}$

$U = 0,21 < 0,30 \text{ W/m}^2 \text{ K}$

**02** ROOF TYPE 1 FLAT  
A-1.8 SCALE: 1/5



COURSE:  
TECHNOLOGICAL DESIGN



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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.

ITALIA  
**ENVIRONMENTAL HOME**  
LECCO, LOMBARDIA

SHEET AUTHOR(S):  
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PROJECT:

SHEET TITLE:  
FLOOR TYPES & COMPOSITION

SHEET No.:  
A-1.8

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