

ELEMENTI OPACHI D'INVOLUCRO

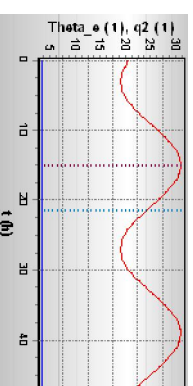
STATO ESISTENTE

STATO DI PROGETTO

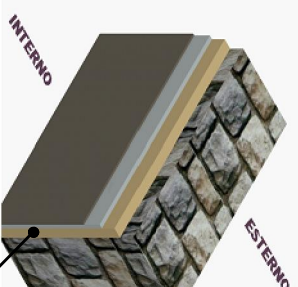
PARETE ESTERNA



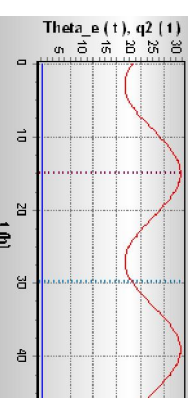
sp = 80 cm
U = 0,724 W/m²K
fenomeni di condensa superficiale
Ms = 1200 kg/m²
Ye = 0,002 W/m²K
sfasam = 6 h 519
smorzam = 0,003



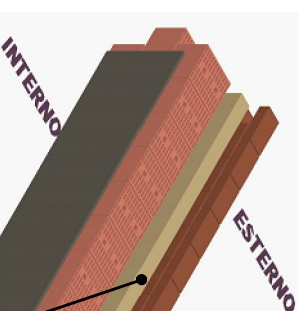
PARETE ESTERNA



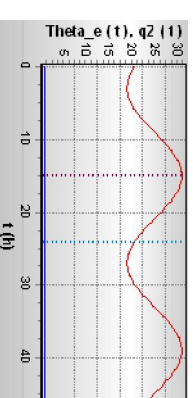
sp = 96 cm
U = 0,301 W/m²K
non soggetta a fenomeni di condensa
Ms = 1227 kg/m²
Ye = 0,0001 W/m²K
S = 15 h
fa = 0,0001



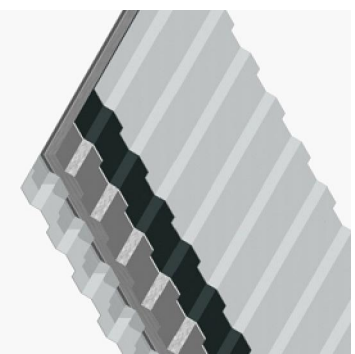
TAMPONATURA ESTERNA



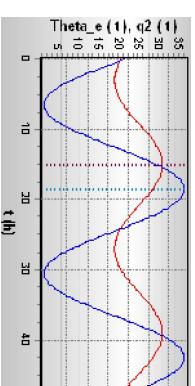
sp = 58 cm
U = 0,220 W/m²K
non soggetta a fenomeni di condensa
Ms = 723 kg/m²
Ye = 0,001 W/m²K
S = 9 h
fa = 0,003



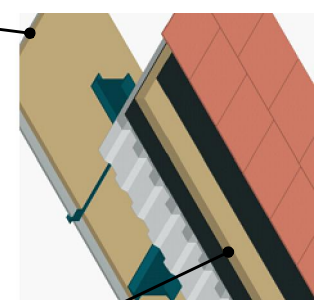
COPERTURA



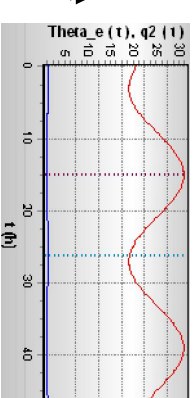
sp = 12 cm
U = 3,810 W/m²K
fenomeni di condensa
Ms = 315 kg/m²
Ye = 2,92 W/m²K
sfasam = 3 h 517
smorzam = 0,765



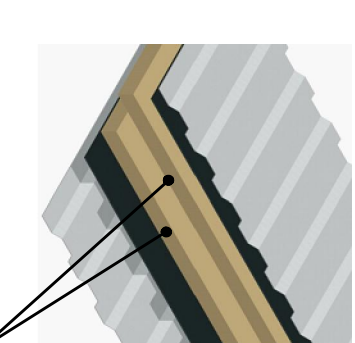
COPERTURA PIANA



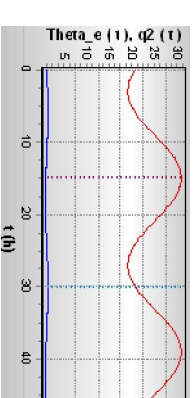
sp = 51 cm
U = 0,263 W/m²K
non soggetta a fenomeni di condensa
Ms = 526 kg/m²
Ye = 0,016 W/m²K
S = 11 h
fa = 0,061



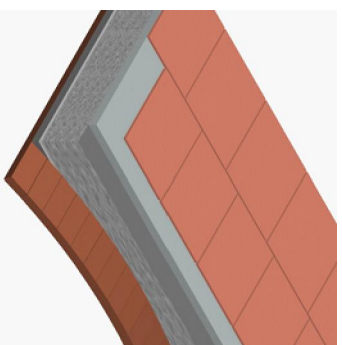
COPERTURA



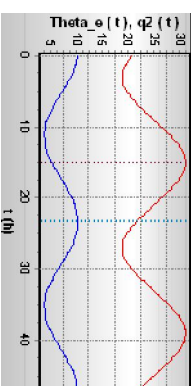
sp = 25 cm
U = 0,257 W/m²K
non soggetta a fenomeni di condensa
Ms = 343 kg/m²
Ye = 0,04 W/m²K
S = 15 h
fa = 0,154



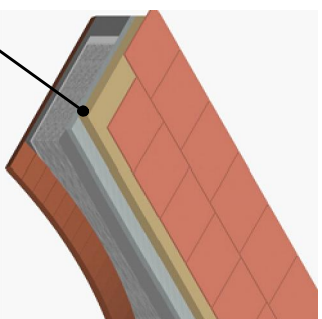
SOLAIO A VOLTICINE



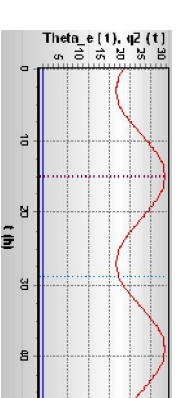
sp = 26 cm
U = 1,424 W/m²K
fenomeni di condensa
Ms = 383 kg/m²
Ye = 0,542 W/m²K
sfasam = 8 h 314
smorzam = 0,38



SOLAIO A VOLTICINE



sp = 36 cm
U = 0,297 W/m²K
non soggetta a fenomeni di condensa
Ms = 395 kg/m²
Ye = 0,027 W/m²K
S = 14 h
fa = 0,09



VALORI DI RIFERIMENTO

[D.Lgs. 192/05; D.Lgs. 311/06; D.P.R. 59/09; Decreto 26/06/09]

San Giovanni Valdarno (AR)

zona D GG = 1937

U_m Pareti verticali ≤ 0,36 W/m²K

U_m Coperture ≤ 0,32 W/m²K

U_m Solai su spazi non riscaldati ≤ 0,36 W/m²K

U_m Partizioni ≤ 0,8 W/m²K

Ms_m ≥ 230 kg/m²

Ye_m ≤ 0,12 W/m²K

Ye_{lm} Pareti orizz. o inclinate ≤ 0,2 W/m²K

S (decalamento) ≥ 12 h E fa (smorzamento) ≤ 0,15 => OTTIMO

S (decalamento) ≥ 10 h E fa (smorzamento) ≤ 0,30 => BUONO