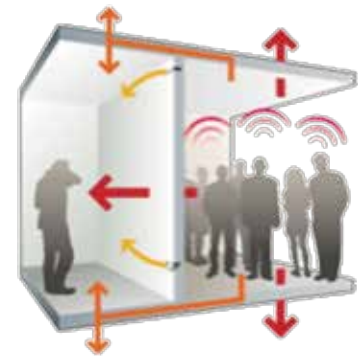


TECHNI WALL^{MC}



Noise and acoustics

Noise is the main factor that occupants will complain about in the office. Telephone conversations, especially hands-on conversations, displacements and discussions are disturbing. The main weakness of the constructions at the acoustic level often does not come from the walls but the ventilation and all the spaces left in the ceiling and between the different materials. This is why all our profiles are equipped with acoustic joints and all assembly ends with wall, floor and ceiling are equipped with pivillene joints.



| Wall type | DESCRIPTION | STC* |
|-----------|--|------|
| Gypsum | Wall of gypsum with metal studs, with sheet of 5/8" on each side | 30 |
| T100 | Simple tempered glass panel 3/8" (10 mm) | 33 |
| T100 | Single laminated glass panel of 3/8" (10mm) | 36 |
| T100 | Single tempered glass panel 1/2" (12 mm) | 35 |
| T100 | Single laminated glass panel of 1/2" (12 mm) | 38 |
| T200 | Single tempered glass panel 1/4" (6 mm) | 31 |
| T200 | Single laminated glass panel of 1/4" (6 mm) | 34 |
| T200 | Double tempered glass panels 1/4" (6 mm) | 41 |
| T200 | Double laminated glass panel from 1/4" (6 mm) | 44 |
| T200 | Double melamine type panels 5/8" | 40** |

* STC : Sound transmission class

** A rating of STC 47 can be achieved if Roxul®-type rock fiber insulation is inserted into the cavity between the two solid panels. Absorbent foam must also be installed in the ceiling and floor rails. A rating of STC 50 can be achieved by substituting particle boards with finished sound absorbent fabric panels and Roxul®-type rock fiber insulation inserted into the open cavity between the acoustic panels on each side of the T200 wall. An absorbent foam should also be inserted into the ceiling and floor rails.