



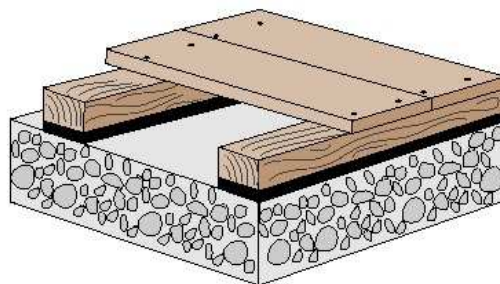
CHARACTERISTICS

Croxon Rastrel, due to its special structural composition, presents a very easy to install floating floors to get comfortable acoustic environment.

The installation can be made during the construction phase of buildings or, well, later in the process of rehabilitation and restoration.

Croxon Rastrel is specially developed for the formation of floating floors improving impact noise through the vibration control.

Products	Measure (mm)	Max. load kg/m ²	Airborne noise ΔR_w dB	Impact noise ΔL_n dB
Croxon Rastrel S 100	50 x 25 x 2000	400	8 - 14	25 - 30
Croxon Rastrel S 200	50 x 35 x 2000	400	10 - 16	29 - 35
Croxon Rastrel S 300	50 x 40 x 2000	400	12 - 18	31 - 37
Croxon Rastrel S 400	50 x 50 x 2000	400	14 - 20	33 - 39
Croxon Rastrel S 500	50 x 60 x 2000	400	10 - 16	29 - 35
Croxon Rastrel S Duo	50 x 40 x 2000	400	12 - 18	32 - 39



Building detail of a wooden floor on CROXON Rastrel.

PROPERTIES

CROXON RASTREL system performance levels static deflection, dynamic stiffness and resonant frequency is a function of the load, the impedance of the elements of the ground (concrete) and the type of **CROXON RASTREL** installed. Isolation results are up. Overall improvements in isolation can be seen between 100 and 500 Hz, when compared with non-isolated area.

Acoustic values are given in the table given in the case of a concrete slab with a thickness between 60 mm and 120 mm to obtain a proper spring mass.

PRECAUTIONS

Stiffness of the structure and floating floor .- When considering dynamic impacts, it is important that the maximum sprung mass is moving and that both ground support and the floating floor, with an overall structural rigidity than if it were not installed a vibration isolation.

Total uncoupling .- It is very important that there are no rigid contact between the floating floor and structural floor, the areas of special interest require perimeters and ducts. **Clempol 109** as skirting board is the ideal product.

The horizontal floor support.- The surface will be installed on **Croxon Rastrel** needs to be horizontal and clean. A tolerance of 1 / 1000 is acceptable. A unique local roughness can be accepted in as much danger do not makes acoustic bridge between the isolated floor and not isolated floor.

Absorbent material.- For absorbent material characteristics that may influence the performance of floating floor system **Croxon Rastrel**, we recommend filling the air gap between the supports of **Croxon Rastrel** with mineral wool density 30 kg/m³.

Croxon Rastrel secured to the floor by Sikaflex FC 111 points.