



• Job Type	Supermarket under and next to dwellings
• Vibration Source	Rolling noise of pallet stackers and shopping carts
• Client	Delhaize supermarket chain
• Acoustic Consultant	EVA International, Bruges
• Installation	2005
• Area	± 400 m ²

In order to reduce the disturbing low-frequent noise generated by rolling pallet stackers or shopping carts in the supermarket, towards neighbours living above or in the adjacent building, the acoustical consultant of the well-known supermarket chain Delhaize decided to install a floating floor system.

For practical reasons, a surface mat was chosen of the type CDM-RR with a wavy layout, namely CDM-43017/9. The material was delivered in rolls, to guarantee an easy & quick installation. The rolls were put exactly next to each other, leaving no gaps or holes.

Along the walls at the perimeter of the floor, and also around the columns, the decoupling was done with an upstanding (glued) lateral isolation strip of CDM-43 in 10 mm (full thickness). Before pouring the approx. 100 mm thick, steel-reinforced concrete, a plastic protection sheet was installed over the elastic mat to prevent concrete water penetrating into the mat.

