Installation guidelines FAQ and important information

ceras har invisible speakers

FAQ and important information

How can cracks be avoided?	0	Like all built-in speakers, also t that no cracks occur at the bur for single-layer drywall constru hip, is highly recommended als	the invisible speaker panels emit vibration noise into the adjacent areas. To ensure tt joints, mesh tape must be applied before plastering. This kind of processing used uctions, which is mandatory according to the generally accepted rules of craftsmans- so for installation work in solid walls and ceilings.	
		The plaster, whether decorative "flexibility". So pure mineral p recommend using products like	e or non-decorative, which is applied to the panel should have a certain plasters are not necessarily advisable. In order to minimise the risk of cracking, we e Ardex (e.g. 828) or Knauf (Uniflott)	
What is there to know about sound insulation?	0	The cerasonar panels emit stru normally affects any builtin sp in acoustic construction. The re reduce the rearward sound we	acture-borne noise into the adjacent areas. It therefore is recommended — and this eaker — that the drywall shell is designed in a flexible way as it is very much common earward sound already is reduced by the mandatory cavity insulation. To furthermore e offer specific backboxes.	
Documentation of installation positions!	0	It is strongly recommended to document the installation positions in the architectural plans. If at some point a defect occurs, the position of the defective panel can be accurately determined and the panel be replaced. Also future modifications to the interior design and room layout benefit from the documented positions of the speakers.		
What happens in case of a defect?	0	In any case, the panels must be removed. A repair or further use depends on the nature of the defect. We offer for the fit and reference series protection units that limit the max. power and protect the speakers from overload. The ultimate series already has the protection integrated. However, the max. power rating of the speaker should not be exceeded by the amplifier.		
Warranty period	0	Ceratec grants a 5-year functional warranty on panels, if the installation and setup protocol has been signed and registered with us. Improper use or overloading may void the warranty.		
What about the durability?	0	If installation and operation is effected in accordance with our regulations a malfunction is almost impossible. A good example to compare is perhaps the "floor heating system", which resembles a similar situation, and which also requires a careful execution. A trained retailer or installer meets these requirements due to the cerasonar installation and setup protocol. DIY is also possible if the manual and technical skills are given.		
Installation and setup protocol	0	The installer or reseller should document all installation steps, especially the functional test and have the correct function approved and signed by the customer. The final acceptance should go together with a corresponding protocol which is to be deposited for at least 5 years with the customer and the executing firms. A copy of the protocol should also be handed over to ceratec.		
	0	Project: Building owner: Architect: Drywall/masonry contractor: Painting contractor: Electrocoustic contractor:	Mr. & Mrs. Sample's dreamhouse Mr. Sam Sample "Name of company" "Name of company" "Name of company" "Name of company	
		Here is an example for a room comprising a cerasonar speaker:		
		Room name: Installation location: Position:	Living room Ceiling Note in drawing/dimensionally	

Construction type:

Surface finish: Speaker model: Quantity: Application: Amplifier type: Circuitry type: Note in drawing/dimensionally correct draft Suspended ceiling with metal substructure, single-layer plasterboard, Q4 type spackling Paint substrate, pure white 9062 ultimate 4 Multiroom audio cerasonar AMP 1x panel per amplifier channel

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Vibration prevention (ceiling and wall installations)

Vibration prevention (Detection of disturbing resonances) Particularly in the ceiling (but also in the wall), care must be taken to ensure that electrical cables or similar do not touch the invisible speakers or the adjacent plasterboard. The reason for this is that the loudspeakers generate vibrations that can cause unwanted noise on the cables or other components. To avoid this, all objects in the cavity must be secured (especially with cerasonar ultimate and sub series). We recommend routing the last meter of the speaker cable to the speaker through the mineral wool.

Similar to loudspeaker cables. We recommend that built-in devices, such as LED spots, should not be placed near the speakers. If this is not possible, we recommend installing higher quality devices, as these often have the advantage that they are not so easily prone to vibrate. If disturbing resonances should occur, the built-in devices can be damped with anti-vibration tape.

A tone generator, for iOS or Android, is suitable for easy detection of disturbing resonances. For this the frequency range from 20 - 20,000 Hz is sweeped through. In order to detect errors, the volume should be approx. 75%. The speakers must already be fixed with all screws. Especially with the cerasonar ultimate and sub series this procedure is obligatory and should not be skipped under any circumstances.

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