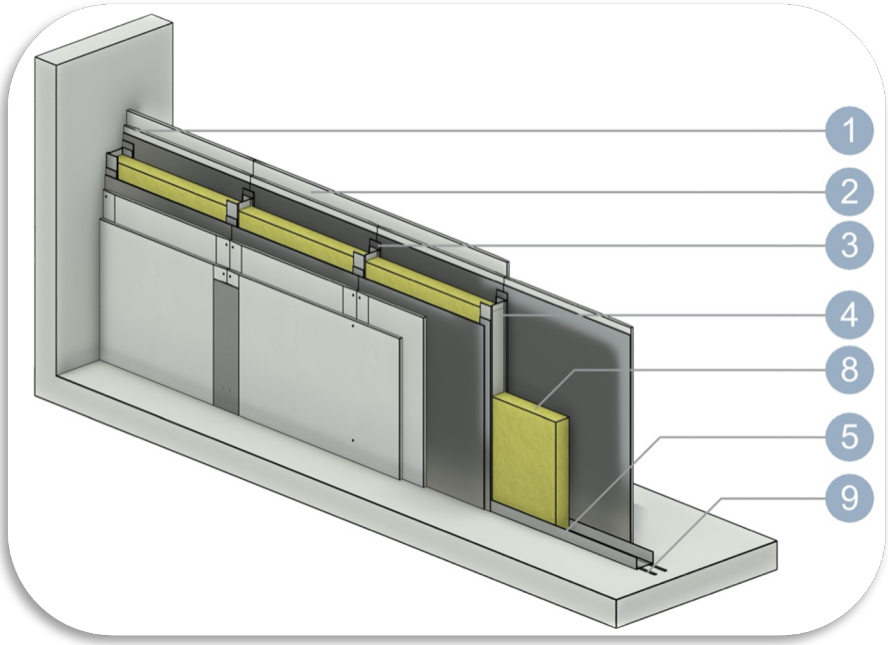
RADIATION-PROOF PARTITION SYSTEM

VarioShield[Basic] & VarioShield[Plus]

VAR110-22-50-5.0 lead+MW

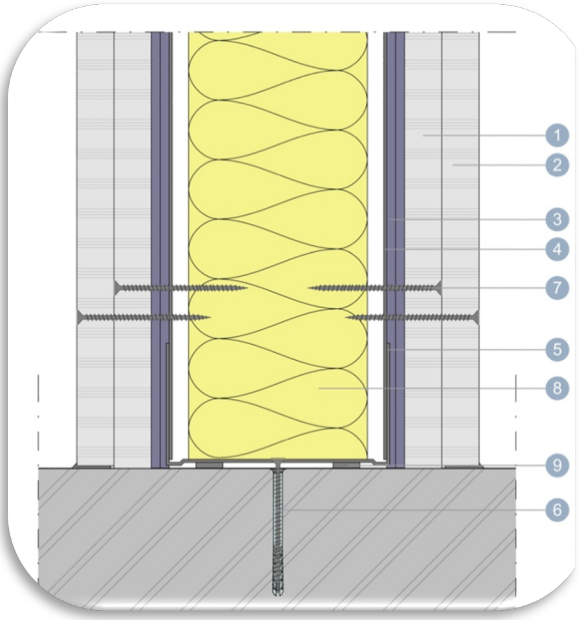
Radiation-proof, lightweight partition wall, with on both sides a VarioShield fitted with lead and a mounted standard plasterboard.

VarioShield has developed an innovative system, VarioShield[Plus]. These small (1200 mm long, 600 mm wide) VarioShield[Plus] panels have a special overlap that ensures you can build walls that are guaranteed radiation proof. These panels are also easy to handle thanks to their low weight.



VarioShield[Plus]

SYSTEM PERFORMANCE	System thickness [mm]	System weight [kg/m²]
	110	97
Fire resistance wall (Dutch market DGMR)	EI [minutes]	Max. height fire performance
	EI60	4200
Sound insulation	Sound insulation Rw ($C;C_{Tr}$) Simulation	
	66dB (-3;-10)	
Maximum height stability (DIN 18183-1)	Field of application I [mm]	Field of application II [mm]
	4000	3500
Radiation proof	Applus RTD Benelux Report	
	9287-112321/001/1/2015 rev. 0	



System structure:

1. VarioShield[Basic] or VarioShield[Plus] with 2.5 mm and 2.5 mm lead
2. Standard plasterboard 12.5 mm
3. Self-adhesive lead strips 2.5 mm and 2.5 mm
4. C-profile 50 mm centre-to-centre 600 mm
5. U-profile 50 mm
6. U-profile attachment on building construction
7. VarioShield screw 45 mm, centre-to-centre 250 mm
8. Insulation 40 mm
9. Acoustic felt

For more information, please refer to our installation advice, documentation, reports and website.

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