

Xalon Galvanized Steel Panel RF Shielded Floor System using Uzin Concrete Products

Preliminary

Layers (Top to Bottom)	Comments	Product(s)
Finished Flooring	Ready for final flooring to be applied, just like you would on to standard concrete floor.	Vinyl Composite Tile, ESD Tile, Carpet, ESD Carpet Polished Concrete
Fiber-Reinforced Concrete Level RF Shielded Floor System	Apply appropriate Uzin self-leveling product to the desired depth. Add Uzin bag fibers to any Uzin self-leveling product. Uzin NC 150 F already has fibers in it. Let dry.	UZIN NC 150 F Premium Plus – Fiber Reinforced Self-Leveling Compound
Metal Primer	Apply coat of Uzin PE 280. Let dry.	UZIN PE 280 Premium Plus - Super-Fast Primer
Surface Strengthenener / MVR	Apply coat of Uzin PE 414. Let dry.	UZIN PE 414
Copper Seam Tape the GS Panel Joints Recommend 4” wide	Copper Tape is required if UZIN NC 150 F is applied on top of the taped panels	Xalon CU14 (≤85dB) or CU50 (>85dB) Copper Seaming Tape
Install Galvanized Steel Perimeter L-Flashing 4” minimum on the floor. Recommend ≥ 2” overlap on to the floor panels	Vertical part can be screwed to wall studs with clear zinc coated screws Horizontal part can be glued to floor	Grabber Clear Zinc Coated Screws (for walls)
Install Galvanized Steel RF 4’ x 8’ Shielding Panels Recommend ≥ 2” panel overlap	Install GS panels with 2 part Urethane Adhesive	Xalon GS22 or GS26 Galvanized Steel Panels
Apply Uzin PE430 2 Part Urethane Adhesive	Apply GS26 panels using Uzin PE430 two-part urethane adhesive. Let dry.	UZIN PE 430
Apply Uzin NC170 self-leveling	Apply the appropriate Uzin leveling product to flatten the floor to accept the metal panels. Multiple solutions, as in higher compressive strength or faster dry times. Let dry.	UZIN NC 147 CG UZIN NC 150 UZIN NC 157 UZIN NC 170 UZIN NC 172 TURBO UZIN NC 170 recommended for most applications
Apply Uzin PE280 primer.	Apply primer Let dry	UZIN PE 280 Premium Plus - Super-Fast Primer
Apply Uzin PE460 epoxy.	This will address any moisture vapor in or below the slab. Let dry.	UZIN PE 460
Existing Concrete Floor	Raw Concrete	Existing Concrete Floor