



Technical Data Sheet

VIA.ZZO

(EPOXY TERRAZZO)

www.aragon-grup.ro

passion for perfection
aragon grup



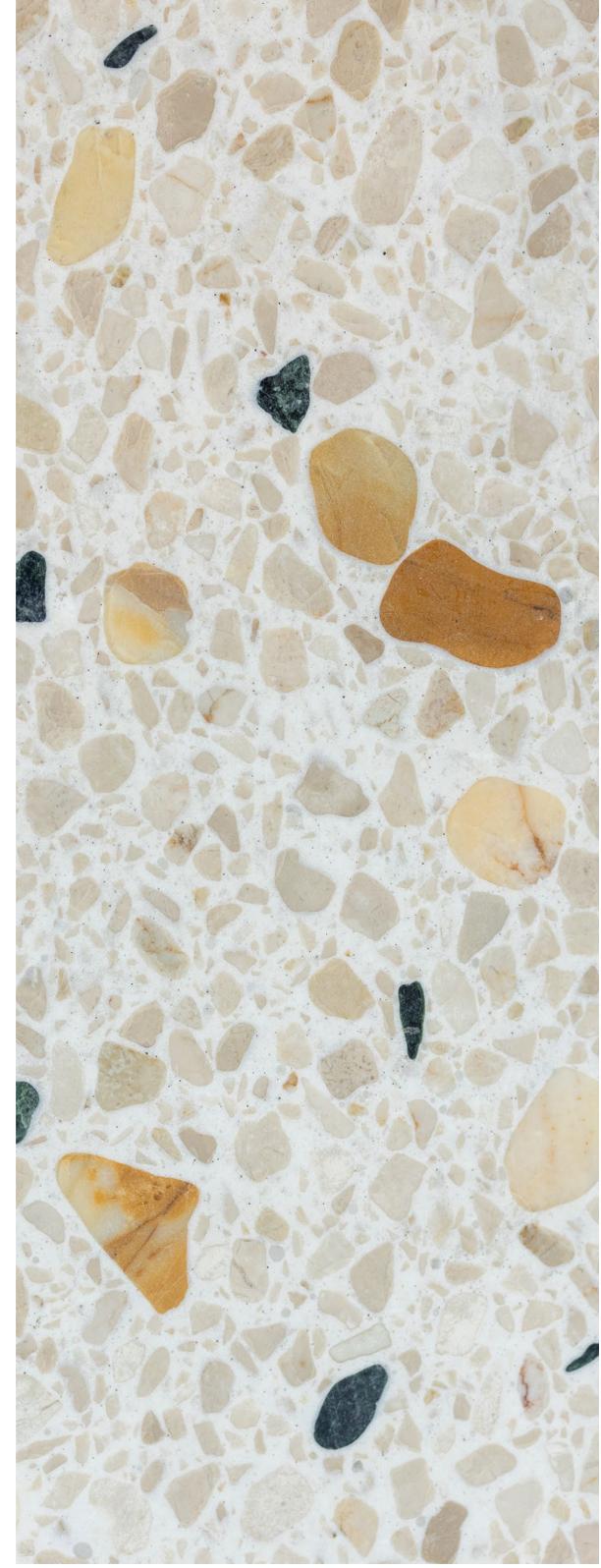
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DESCRIPTION

VIA.ZZO is a flooring finish using marble, granite, glass, mirrors, chips of plastic or other natural or synthetic aggregates, mixed with an epoxy resin binder poured seamlessly, on site, grinded and polishes to shine. The terrazzo system is applied in 15-20 mm thickness and is grinded and polished up to 13-18 mm thickness.

BENEFITS

- Minimum 3 times less weight than classic cement terrazzo, suitable for multi-story buildings;
- Unlimited design possibilities – a multitude of colors and aggregates available;
- Credit LEED potential for: "Building Life-Cycle Impact Reduction", "Low-Emitting Materials" and "Procurement of Low Carbon Construction Materials";
- Can be apply seamless with no contraction-dilatation joints under 100 sqm and does not transmit the cracks in the support (except for the underlying slab joints of the building)
- Easy to clean and maintain;
- The lowest life cycle cost; very resistant to abrasion;
- The lifetime of the system is the lifespan of the building service expectancy;
- Very good chemical resistance to both common cleaning materials and other aggressive substances (red wine, coffee, oil, etc.) compared to conventional cement-based terrazzo.



WHERE TO USE

Due to the special properties and appearance, flexibility and ease in making any design, durability (lifespan of the building), sustainability, chemical resistance and especially ease of cleaning and maintenance, VIA.ZZO is suitable for shopping centers, hospitals, schools, bank offices, residentials, grocery stores or pharmacies and drug shops, lobbies, air-ports, railway terminals, event halls, casinos, sports venue, restaurants, etc.

SUMMARY TECHNICAL DATA SHEET and SYSTEM PERFORMANCE according to Technical Approval 001SB-04/1522-2020, developed by INCĐ URBAN-INCERC INCERC Bucharest Branch

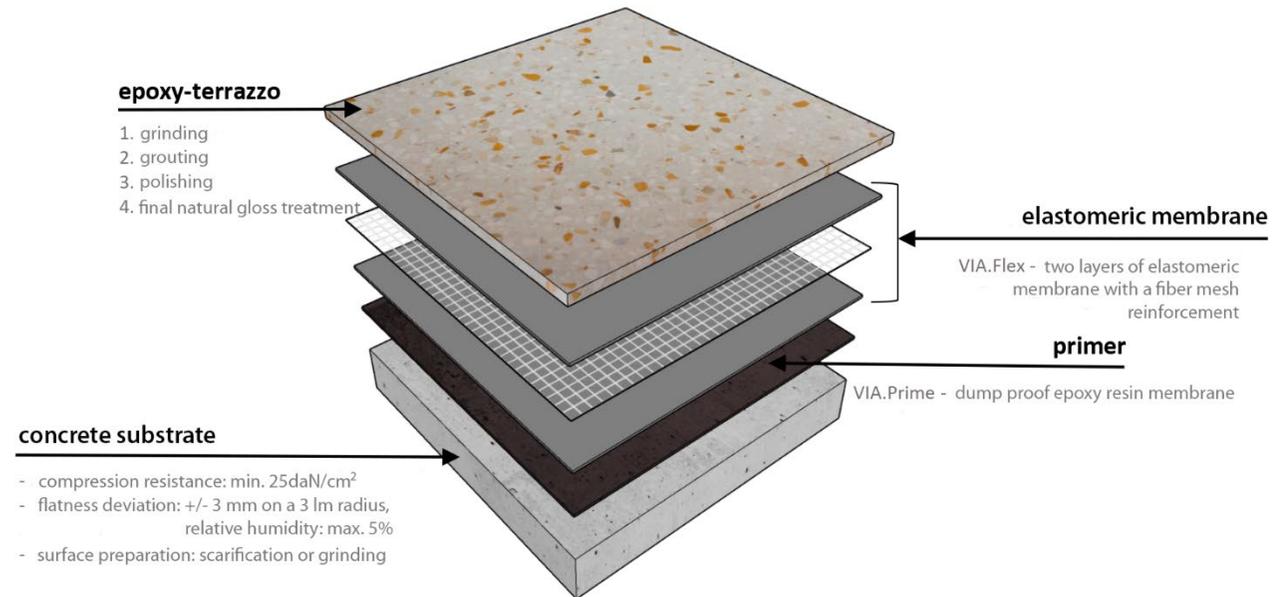
No	Key features	UoM	Referance	Performance	Verification Methods
a.Characteristicile produsului VIA.FLEX					
1.	Tension break	Mpa	--	7,02	SR EN ISO 527-1:2020
2.	Strain at break	%	--	105	
b.Characteristicile sistemului de pardoseala de tip epoxi-terrazzo VIA.ZZO					
3.	Adhesion strenght	N/mm ²	>1,5	2,5	SR EN 13892-8/2003
4.	Abrasion resistance BCA	µm	-	0	SR EN 13892-4:2003
5.	Abrasion resistance class BCA	Class	-	AR0	SR EN 13813:2003
6.	The attempt to drop a mass of 1 kg	cm	10-100 without changes	10-100 without changes	SR EN ISO 6272-1:2012
7.	Chemical resistance -liquid detergent -wine -olive oil	Visual	-	no cracks, no blisterings or ruptures from the substrate	SR EN ISO 2812-4:2018

Regarding "**Reaction to fire**" this system is included in **B_{FL}—s1 class**, according to the Classification Report for reaction to fire in accordance with SR EN 13501-1+A1:2010 No. 21013 of 15.02.2021, developed by the National Center for Fire Safety and Civil Protection within the framework of IGSU.

Regarding "**Anti slip grading**" this system was verified by Research Report no. 191 of 17.03.2021 elaborated by INCĐ URBAN-INCERC INCERC Bucharest Branch, by "**Determining the sliding angle (dry and wet surface)**" obtained the following values:

	Slip angle	Value according to DIN 51130:2004
Dry surface	38	R13 (< 35)
Wet surface	35	R12 (27 – 35)

STRUCTURE OF THE VIA.ZZO SYSTEM:



APPLICATION PROCEDURE

The concrete surface on which the VIA.ZZO flooring is to be applied must be in good condition, with minimum compression resistance of 25 N/mm², properly prepared by sandblasting, grinding and/or scarification. Ask the Technical Department for more details regarding the quality of the concrete and the method of preparation.

The application of the VIA.ZZO flooring system involves several stages, namely: priming the surface with a vapor-permissive product, applying an elastic membrane reinforced with glass fiber for protection against the transmission of cracks in the support, installing color separation divider strips in accordance with the specifications of the architectural project and the particularities of the design, the application of the epoxy-terrazzo base layer, sanding, grouting, polishing and final surface treatments. For more details, contact the Technical Department.

SYSTEM COMPONENT

- Primer: VIA.PRIMER DPM @ 0.25 – 0.50 kg/m²;
- "Crack bridge" membrane: VIA.FLEX @ 1.00 – 1.40 kg/m² reinforced with glass fiber;
- The product: VIA.ZZO (VIA.ZZO Resin and Hardener + VIA.ZZO Filler + VIA.ZZO Aggregates) @ 25.00 kg/m² - applied in 15-20 mm, grinding in 13 -18 mm;
- Grouting: VIA.ZZO Resin and Hardener @ 0.1 – 0.3 kg/m²;
- Final treatment: VIA.LG @ 0.1 kg/m² aprox.
Additional layers can be applied until the desired finish is obtained.
Detailed application instructions on request.

MAINTENANCE

After the installation of the VIA.ZZO system, the beneficiary will receive specific maintenance instructions. VIA.ZZO is easy to clean with neutral detergents, and cleaning is done with rotary machines. Waxing is not necessary. From time to time it may be necessary to reapply the final surface treatment.

