

# DATA SHEET



Product: DIAMANTE 1K

Ref.: DM-1K-20

## DESCRIPTION

High performance eco-cement made from mineral filling and selected recycled aggregates, obtaining mineral texture with bright particles suitable for walls and floors for high traffic.

## USES

Achieve a continuous coating without joints, both for horizontal and vertical surfaces in indoor and outdoor areas. Thanks to its high adherence it is applicable on any material (cement, plaster, plasterboard, tiles, marble or wood) in bathrooms, residences, hotels, shops and leisure premises, and even furniture. Ideal for both new works and renovations without removing the existing surface. Available in different finishes and application techniques, with a range of 120 combinable colours to create thousands of colours. It allows the creation of designs with shapes, prints and logos.

## PREPARATION

- Surface must be completely clean, dry, and dust-free, with no loose or broken parts; with a humidity level below 3%.
- The powder component must be mixed with water on low revolution until a homogeneous mixture. In case of color use, incorporate the complete desired pigment into the mixture and then mix it until a fully diluted and homogenous mass.
- This product is a final finish. In case of ceramics or porous / irregular supports, a regularization base or mortar must be applied previously.

## ADVANTAGES

- Quick drying and easy maintenance
- Suitable for execution of continuous works
- High resistance
- Solvent free
- Applicable on existing surfaces
- Combinable with different materials
- Does not require joints
- Stain resistant

## YIELD x ud (DM-1K-20)

Layer per m2	m <sup>2</sup> aprox.
Surface	
Fine texture	25 m <sup>2</sup>
Medium texture	20 m <sup>2</sup>
Thick texture	17 m <sup>2</sup>

## KIT FORMATS

DIAMANTE (Comp. A)		WATER (Comp. B)
Ref.	Format	
DM-1K-10	10 kg. Diamante	3 L
DM-1K-20	20 kg. Diamante	6 L

## PRESENTATION KIT



## ESPECIFICACIONES TÉCNICAS (ensayos de calidad internos)

	DIAMANTE	WATER	Density of the mixture: 1,600 kg/l		
Appearance:	Powder	Liquid	Mixture pH: 9		
Color:	white	colourless	Usage time of the mixture: 1-2 h at 20°C   60% relative humidity		
Density (kg/l):	1,400	1,00	Temperature of application:: Minimum 5°C and maximum 35°C		
Mixing ratio :	3 volumes	1 volume	Waiting time before sealing: 12-24 h. to 20°C   60% relative humidity		
Dangerous material: NOT classified as ADR/RID, IMDG, ICAO/IATA			Accessibility once sealed: 48 h. to 20°C   60% relative humidity		
Drying time between layers: 3-4 h. to 20°C   60% relative humidity			Suitable for underfloor heating: <b>Yes</b> (minimum 4cm slabs.)		
Expiration: 1 year from the production date on its packaging			Storage: Minimum temperature of 0°C and max of 40°C		
Compressive strength:			Flexural strength::		
1 day	7 days	28 days	1 day	7 days	28 days
12 N/mm²	20 N/mm²	29 N/mm²	5 N/mm²	8 N/mm²	11 N/mm²

## KIT TECHNICAL TEST (A+B) (tested product: PU finish)

### UNE-EN 13813:2003

Bond strength, UNE-EN 13892-8:2003	Ceramic surface	1,7 N/mm <sup>2</sup> (break support)
	Fibrocement Surface	1,3 N/mm <sup>2</sup> (break support)
	MDF Surface	0,6 N/mm <sup>2</sup> (break support)
Surface hardness, UNE-EN- 13892-6:2003	72 N/mm <sup>2</sup>	
Determination of liquid water transmission (permeability), UNE-EN 1062-3:1999	0,01 Kg./ m <sup>2</sup> h 0,5	
Determination of flexural properties, UNE-EN ISO 178:2003	0,15 KN./mm <sup>2</sup>	
Determination of unpolished slip / skid resistance value (USRV). UNE-ENV 12633:2003, Annex A	29	
Impact Resistance, UNE-EN ISO 6272:2004. Drop height at which the first cracks and diameter produced at this stage are observed	>14,7 Nm At 1500 mm WITHOUT defects. Crater diameter: 10,1 mm.	
Frictional wear, Böhme, UNE-EN 13892-3:2003	11,2 cm <sup>3</sup> / 50 cm <sup>2</sup>	

### UNE EN 13501-1:2007

Fire resistance behaviour after application of finish

Bfl – S1

### UNE-ENV 12633:2003

Slip resistance after application of finish

Rd: CLASS 3 – Value USRV: 47

Recommendations and technical data shown in this data sheet are based on laboratory tests and our experience in practice. We waive any liability for consequences resulting from improper use. Date: August 2016 Version: 1.0

