

DATA SHEET



Product: ALUMINIO KIT + RESIMET

Ref.: KAL + RM

DESCRIPTION

It is a mineral metal based on eco-cement, natural particles of steel, mineral fillers and nano additives.

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. It allows the creation of designs with shapes, prints and logos.

PREPARATION

- Surface must be completely clean, dry, dust-free, with no loose or broken parts; with a humidity level below 3%.
- Preparation of bicomponent Kit (A + B, 1:1 ratio) must be mixed with mixer on low speed until homogeneously combined.
- This Kit is for finish layer. In case of ceramic or porous / irregular surfaces, a levelling or mortar base should be previously applied.

ADVANTAGES

- Quick drying and easy maintenance.
- Apt 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 KIT (KAL ₁₂ +RM ₄)		KIT FORMATS				KIT PRESENTATION	
m ² per layer		ALUMINIO (Component A)		RESIMET (Component B)			
Surfaces	approx. m ²	Ref.	Format	Ref.	Format		
Plasterboard, MDF, Gypsum	30 m ²	KAL1.5	1.5 kg. Aluminio	RM0.5	0,5 l.		
Mortar	28 m ²	KAL3	3 kg. Aluminio	RM1	1 l.		
Base Baseflex	26 m ²	KAL6	6 kg. Aluminio	RM2	2 l.		
Base Ground	24 m ²	KAL12	12 kg. Aluminio	RM4	4 l.		

TECHNICAL SPECIFICATIONS (internal quality tests)							
	ALUMINIO		RESIMET				
Appearance:	Powder		Liquid		Density of the mixture: 1.300 kg/l		
Colour:	Light Grey		White		mixture pH: 8-9		
Density (kg/l):	1.475		1.25		Usage time of the mixture: 1-2 h at 20°C 60% relative humidity		
Mixing ratio :	3 parts		1 part		Temperature of application: Minimum 5°C and maximum 35°C		
Dangerous material: Kit NOT classified as ADR/RID, IMDG, ICAO/IATA					Waiting time before sealing: 12-24 h at 20°C 60% relative humidity		
Drying time between layers: 3-4 h at 20°C 60% relative humidity					Accessibility once sealed: 48 h at 20°C 60% relative humidity		
Expiration: 1 year from the production date on its packaging					Suitable for underfloor heating: Yes (minimum 4cm slabs.)		
Compressive strength:					Storage: Minimum temperature of 0°C and max of 40°C		
1 day	7 days		28 days		Flexural strength:		
11 N/mm²	17 N/mm²		26 N/mm²		1 day	7 days	28 days
					5 N/mm²	8 N/mm²	10 N/mm²

TECHNICAL TEST KIT(A+B) (tested product: PU finish)		
UNE-EN 13813:2003		
Bond strength, UNE-EN 13892-8:2003	Ceramic surface	1.7 N/mm2 (break support)
	Fibrocement Surface	1.3 N/mm2 (break support)
	MDF Surface	0.6 N/mm2 (break support)
Surface hardness, UNE-EN- 13892-6:2003	72 N/mm²	
Determination of liquid water transmission (permeability), UNE-EN 1062-3:1999	0.01 Kg./ m² h 0.5	
Determination of flexural properties, UNE-EN ISO 178:2003	0.15 KN./mm²	
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 1500mm WITHOUT defects. Crater diameter: 10.1mm.	
Frictional wear, Böhme, UNE-EN 13892-3:2003	11.2cm³/ 50cm²	
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

