



MAXKOLA[®] FLEX

HIGH PERFORMANCE BONDING MORTAR FOR NON POROUS TILES ON TRADITIONAL OR NON RIGID SUBSTRATES

DESCRIPTION

MAXKOLA FLEX is a mortar in powder form composed of hydraulic and synthetic binders that once mixed with water forms a supple bonding mortar, highly adhesive and flexible for interior and exterior application.

USES

- Fixing of ceramic tiles, high, medium and low porosity vitrified gres, porcelanato, marble, natural stone pavements, interior and exterior walls.
- Coating of cementitious substrates, screeded walls, floor heating systems, existing tiling, etc.
- Rendering distortable substrates such as gypsum boards, wood, plastic, etc.
- Tile fixing in swimming pools and façades.

ADVANTAGES

- Very high adhesion to substrates with no porosity.
- Capable of absorbing movements of the substrate.
- Long open time.
- Excellent water retention avoids having to dampen the substrate or pieces to be placed.

APPLICATION INSTRUCTIONS

Preparation of the surface. The substrate must be clean, free from grease, oils, fungus, algae, dust or paint. The substrate must be structurally sound and cohesive, not easily broken. If there are any voids they must be repaired by sandblasting and application of a repair mortar such as MAXREST or MAXRITE 500.

The substrate must be as flat as possible, with no unevenness greater than 5 mm. measured with a 2 Mt. long guide.

Mixing of the product. MAXKOLA FLEX is mixed adding between 6.5 and 7.5 litres of water per 25 kg. bag. (27% \pm 1) and mixing with a slow mixer (500 rpm) until obtaining a lump free, homogeneous paste, allowing it to rest for 5 minutes before its application.

Application: Spread MAXKOLA FLEX on small areas, not greater than 2 sq. Mts. "combing" it with a toothed trowel 6 x 6 mm. (horizontally on walls) for controlling the thickness. Place the pieces and press until flattening the ridges. Check the adhesion of the product occasionally removing a set piece. Do not apply in thickness greater than 8 mm.

CAUTIONS

MAXKOLA FLEX is non-toxic, but is an abrasive compound by its composition. When mixing and placing do not use bare hands but protect them with rubber gloves.

Use safety goggles and mask.

If the product comes in contact with the eyes, rinse with abundant water but do not rub. If the irritation persists, consult a doctor.

COLOUR

White.

CONSUMPTION

1.5 Kg./m² and mm. thick.

PACKAGING

25 kg. bags.

STORAGE

Twelve months in its original unopened container, in a dry covered place, away from the ground and protected from frost and humidity

TECHNICAL DATA

Mixing water (% weight / prod.)		27 ± 1
Open time (hours, 20 °C)		3
Rectification time (minutes, 20 °C)		30
Powder apparent density (kg/dm³)		1.15 ± 0.05
Binding apparent density (kg/dm³)		1.60 ± 0.05
Water retention (g)		2.3 ⁽³⁾
Flection test	Beam Loading (N)	13.6
	Strain (mm)	3.4
Initial Adhesion at 28 days (MPa)	Commercial gres ⁽¹⁾	0.89 ⁽⁴⁾
	Porcelain gres ⁽²⁾	0.62 ⁽⁴⁾
Adhesion after water immersion (MPa) (7 d in lab. + 21 d in immersion + 1 d in lab.)	Commercial gres ⁽¹⁾	0.94 ⁽⁴⁾
	Porcelain gres ⁽²⁾	0.54 ⁽⁴⁾
Adhesion after heat action (MPa) (14 d in lab. + 14 d in heater (60 °C) + 1 d in lab.)	Commercial gres ⁽¹⁾	1.78 ⁽⁴⁾
	Porcelain gres ⁽²⁾	0.65 ⁽⁴⁾

Adhesion after freeze/thaw cycles. (MPa) (7 d in lab. + 7 d in immersion + 25 cycles of 24 h each one) (each cycle: 2 h range between 23 °C to -15 °C, 2 h: -15 °C and 20 h: 12 °C)	Commercial gres ⁽¹⁾	1.96 ⁽⁴⁾
	Porcelain gres ⁽²⁾	1.2 ⁽⁴⁾

Densities, water retention, flection test and adhesions.: Test nº 17.800 –2nd part. I.E.T.C.C.

(1) Commercial gres: 3% water absorption.

(2) Porcelain gres: 0.5% water absorption.

(3) Meets requirements UEATc Guide values (≤ 3 g).

(4) Meets requirements UEATc Guide values (≥0.50 MPa).

I.E.T.C.C.: Eduardo Torroja Institute for the Construction and Cement.

Member of European Union for Construction Technical Agreement.

GUARANTEE

The information contained in this leaflet is based on our experience and technical knowledge, obtained through laboratory testing and from bibliographic material. DRIZORO reserves the right to introduce changes without prior notice. Any use of this data beyond the purposes expressly specified in the leaflet will not be the Company's responsibility unless authorised by us. We shall not accept responsibility exceeding the value of the purchased product.



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