



la scelta giusta
per grandi progetti.

SCHEDA TECNICA



AL 600

Ultrarapid Maxi

CEMENT-BASED ULTRAFAST-
SETTING SELF-LEVELLING
MORTAR



PRODUCT

Cement-based, ready-to-use, self-levelling, and ultra-fast hardening mortar, to offset withdrawal for inner floors with 3 to 30 mm thickness.

CHARACTERISTICS

AL 600 Ultrarapid Maxi is a pale yellow color powder consisting of special cements with rapid setting and hydration, silica sand, resins and special additives. The product has excellent workability, fluidity and ease of use for both manual operation and with pressure pump application.

WHERE TO USE

Self-levelling smoothing with thicknesses up to 30 mm of new or existing substrates, suitable for subsequent laying of all types of interior and exterior flooring, of homes and areas subject to limited traffic. Suitable for underfloor heating.

SUBSTRATES

Cement, cement-based screeds, concrete.

CONSUMPTION

1.5 – 1.7 kg/sqm per mm of thickness

PACKAGING

25 kg bags on pallets of 1500 kg.

STORAGE

AL 600 Ultrarapid Maxi can be stored 12 months in a dry place in original packaging.

ITEM SPECIFICATIONS

The levelling of internal cement based substrates must be made by applying specific self-levelling cement, such as AL 600 by Edilcol Italia, to be mixed with water and presenting, after 28 days, a compressive strength $\geq 30 \text{ N / mm}^2$.



Cert. n. 27395-2008-AQ-ITA



Cert. n. 1982-CPR-059/471



Polizza n. 70023

PREPARING THE SUBSTRATE

- Make sure that the concrete substrates are consistent and free from dust, paints, oils or any other substance that could reduce the adhesion.
- In case of cement based substrates, remove any loose parts and treat the surface with consolidating primer **RM 35** (see technical data sheet).
- In case of pre-existing floors, proceed with an accurate cleaning and a subsequent treatment with bonding promoter **RM 30** (see technical data sheet).

PRODUCT APPLICATION

- Mix a bag of AL 600 Ultrarapid Maxi with approximately 7,0 liters of water, either manually or with a mixer at a low number of turns, until obtaining an homogeneous clump free mixture.
- Leave it rest for about 2-3 minutes then briefly remix the product before using it, in a single coat from 3 to 30 mm, with a metal trowel or a rubber spiked roller.
- It is recommended to keep the metal trowel or the spiked roller slightly inclined during the application to obtain the desired thickness.
- The quantity of AL 600 mixed must be used within 30 minutes.
- AL 600 Ultrarapid Maxi can also be applied mechanically using appropriate pumps.
- Eliminate the air bubbles with a suitable rolling tool.

RECOMMENDATIONS

Do not use AL 600 Ultrarapid on metal surfaces or on substrates subject to continuous rising damp

Avoid the application when the temperature is below +5 °C or above +35 °C.

Before the installation of moquette, plastic, linoleum or rubber make sure that the screed is sufficiently dry (R.H.<2%).

In case of very large surfaces follow all the expansion joints in the substrate, creating splitting joints for approximately every 50 sqm.

Although the details contained in this product report correspond to the best of our current experience, all the above information must be confirmed after practical applications. Anyone who intends to use the product must ensure beforehand that it is suitable for the envisaged application: in every case, the user alone is fully responsible for any consequences deriving from the use of product. The values given in the technical data derived from tests conducted in laboratory, in a controlled environment, so they may be greatly modified by the conditions of installation.

DATI TECNICI

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Appearance:	yellow powder		
Composition:	cement, selected aggregates, resins, additives		
Particle size:	≤ 3,0 mm		
Application temperature:	+ 5°C / + 35°C		
Thickness per coat:	from 3 to 30 mm per coat		
Mixing water:	≈ 20 %		
Density of fresh mortar:	≈ 2,0 Kg/l		(EN 1015-6)
Density of hardened mortar:	≈ 1,8 Kg/l		(EN 1015-10)
Pot life:	≈ 30 minutes		
Setting time by Vicat needle:	≈ 1 hour		
Set to light foot traffic:	3 - 4 hours		
Waiting time before subsequent bonding:	1-3 days depending on thickness and temperature		
Waiting time before subsequent installation of: wood, moquette, plastic, rubber or linoleum	≈ 14 days (R.H. screed <2%)		
Flexural strength	after 1 day	≈ 3,5 N/sqmm	(EN 13892-2)
	after 7 days	≈ 6,0 N/sqmm	(EN 13892-2)
	after 28 days	≈ 7,5 N/sqmm	(EN 13892-2)
Compressive strength::	after 1 day	≈ 16,0 N/sqmm	(EN 13892-2)
	after 7 days	≈ 23,0 N/sqmm	(EN 13892-2)
	after 28 days	≈ 30,0 N/sqmm	(EN 13892-2)
Resistance to fire:	Class A1		(EN 13501)
Contribution to smoking:	none		
Hazard classification:	none		(EEC 88/379)