



la scelta giusta
per grandi progetti.

SCHEDA TECNICA



AL 600 Ultrarapid

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 1 to 10 mm thickness.

CHARACTERISTICS

AL 600 Ultrarapid 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 pumps application.

WHERE TO USE

Self-levelling smoothing with thicknesses up to 10 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.

SUBSTRATES

Cement, cement-based screeds, concrete.

CONSUMPTION

1.4 – 1.5 kg/sqm per mm of thickness

PACKAGING

25 kg bags on pallets of 1500 kg.

STORAGE

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

ITEM SPECIFICATIONS

The leveling coat for inner and outer floors will be made by applying specific cement-based self-leveling mortar such as Edilcol Italia AL 600 Ultrarapid; mixed with water, it must have a compressive strength, after 28 days, > 30 N/sqmm.



Cert. n. 27935-2008-AQ-ITA



Polizza n. 063294134

PREPARING THE SUBSTRATE

- Make sure that concrete substrates are consistent and free from dust, paints, oils or any other substance that could reduce 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 with approximately 6,0 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. AL 600 Ultrarapid is to be used in a single coat from 1 to 10 mm thick (in thicknesses greater than 3 mm if wood is to be overlaid) with a metal trowel or a rubbed 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 Ultrarapid mixed must be used within 30 minutes.
- AL 600 Ultrarapid 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 screed is sufficiently dry (R.H.<2%). When AL 600 Ultrarapid is to be used in thicknesses greater than 10 mm (max. 15 mm) it is recommended to add about 30% of graded sand (maximum particle size 4 mm) or apply the product in 2 layers (as soon as the first one is set to light foot traffic - approx. 4 hours at +23 °C).

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

Rev. 04 - 02/2016

Appearance:	yellow powder		
Composition:	cement, selected aggregates, resins, additives		
Particle size:	≤ 0,5 mm		
Application temperature:	+ 5°C / + 35°C		
Thickness per coat:	from 1 to 10 mm per coat (in thicknesses greater than 3 mm for installing parquet		
Mixing water:	≈ 24 %		
Density of fresh mortar:	≈ 2,0 Kg/l		(EN 1015-6)
Density of dried mortar:	≈ 1,8 Kg/l (28 days)		(EN 1015-10)
Pot life:	< 30 minutes		
Setting time (by using a Vicat needle):	≈ 1 hour		
Set to light foot traffic:	3 - 4 hours		
Waiting time before subsequent bonding:	12 hours		
Waiting time before subsequent installation of: wood, moquette, plastic, rubber or linoleum	≈ 10 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/sqmmq	(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)