

la scelta giusta
per grandi progetti.

SCHEDA TECNICA



AL 600

CEMENT-BASED FAST-SETTING
SELF-LEVELLING MORTAR

CONFORME ALLA NORMA EUROPEA
CT
C30 - F5
AL 600
LISCIATURE
EN 13813

CE

PRODUCT
Ready-mixed cement-based ready-to-use self-levelling mortar, to offset withdrawal in inner floors with 1 to 10 mm thickness

CHARACTERISTICS
AL 600 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-leveling smoothing with thicknesses up to 10 mm of new and existing substrates, suitable for subsequent laying of all types of interior 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 can be stored 12 months in a dry place in its 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 ≥ 30 N / mm².

PREPARING THE SUBSTRATE

- Make sure that the 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 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 1 to 10 mm (minimum 3 mm if parquet is to be overlaid), 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 to be used within 1 hours.
- 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 continuos 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 the screed is sufficiently dry (R.H.<2%).
When AL 600 is to be used in thicknesses greater than 10 mm (max. 15 mm) it is recommended to add about 30% of graded sand or apply the product in 2 coats (as soon as the first one is set to light foot traffic - approx. 6 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:		≈ 28 %	
Density of fresh mortar:		≈ 2,0 Kg/l	(EN 1015-6)
Density of hardened mortar		≈ 1,8 Kg/l	(EN 1015-10)
Pot life:		< 60 minutes	
Setting time (using Vicat needle)		≈ 3 hours	
Set to light foot traffic:		6 - 8 hours	
Waiting time before subsequent bonding:		24 - 48 hours	
Waiting time before subsequent installation of: wood, moquette, plastic, rubber or linoleum		≈ 14 days (R.H. screed <2%)	
Flexural strength:			
	after 1 day	≈ 3,0 N/sqmm	(EN 13892-2)
	after 7 days	≈ 4,0 N/sqmm	(EN 13892-2)
	after 28 days	≈ 5,0 N/sqmm	(EN 13892-2)
Compressive strength:			
	after 1 day	≈ 10,0 N/sqmm	(EN 13892-2)
	after 7 days	≈ 20,0 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 calssification:		none	(EEC 88/379)

GIULIANOGRAPHIC.IT

edilcol ITALIA
Edilcol Italia srl - Ctr. Piana - Zona Industriale - 86019 Vinchiaturo (CB) - Italy
Tel. +39 0874/340039 - 340007 - Fax +39 0874/340023 - info@edilcol.com - **www.edilcol.com**