



MEGAKOLL SUPER^{white-grey}



THE PRODUCT

MEGAKOLL SUPER is an adhesive composed of high-resistance cement, selected mineral aggregates, synthetic resins and specific additives, characterized by excellent workability, high adhesion and high performance. MEGAKOLL SUPER is class C1 according to the EN 12004 standard: normal setting cementitious adhesive (C) (1).



CE UNI EN 12004

CHARACTERISTICS

MEGAKOLL SUPER is used for the indoor and outdoor installation, both on walls and floors, of ceramic mosaics and single-fired and double-fired porous ceramic tiles. It is suitable for installation on traditional supports such as plaster, cement screeds or made with MEGAPREM M240S or MEGAPREM M240SS.

For bonding on anhydrite screeds and gypsum supports, first apply PRIMER P16; it can also be used for plasterboard as long as it is rigidly supported, for spot gluing of sound-absorbing panels and insulating materials such as polystyrene and expanded polyurethane, glass or rock wool, cork. Do not use on metals, wood, resilient and plastic materials. To improve the characteristics of the product and obtain high deformability, higher resistance to water and traction, MEGAELASTO elasticizing latex can be used as a total or partial replacement for the mixing water.

HOW TO USE

Pour a 25 kg bag of ME-GAKOLL SUPER with approximately 7 - 7.5 liters of water (or MEGAELASTO, depending on needs) into a clean container and mix with a trowel or drill at low speed (approximately 400 rpm /min) until a homogeneous and lump-free mixture is obtained. Leave the product to rest for 5 - 10 minutes, stirring briefly before use. This mixture lasts over 6 hours. The water indicated on the bag is indicative and varies slightly between MEGAKOLL SUPER gray and white. The use of larger quantities of water does not improve the workability of the glue, can cause drops in thickness during drying and contribute to reducing adhesion, resistance to compression and shear. Apply a first thin layer of adhesive to the support with the smooth side of the trowel to ensure good adhesion and regulate water absorption, then spread the quantity of adhesive necessary with the notched trowel to ensure complete wetting of the back of the tile. The tile laying goes

► carried out by applying good pressure to ensure contact with the adhesive.

Carefully check that the glue spread on the tile is always fresh and has not formed a surface film. If it has formed, go over the adhesive again with the notched trowel. Unfavorable weather conditions, such as strong sun or excessive ventilation, can significantly reduce processing times. In this case, moisten the substrate before applying the adhesive, to extend the open time.

For large formats, for external installations or in very humid environments, for environments subjected to intense traffic, for floors to be smoothed on site or subject to heavy loads, it is necessary to spread the adhesive also on the back of the tiles. This is to prevent voids from remaining which could cause breakages or detachments due to the pressure of concentrated loads or the action of frost.

The joints can be made after approximately 6 hours for coverings and after approximately 24 hours for floors. The surfaces can be put into service after approximately 14 days, depending on environmental conditions.

SUBSTRATE PREPARATION

The supports must be seasoned, mechanically resistant, stable, dry and free from rising humidity, flat, free of loose parts, free from dust and greasy substances, old paints and any other material that could compromise the perfect adhesion of the adhesive. New cementitious substrates must have already undergone hygrometric shrinkage, at least two weeks for plasters and a month for screeds, unless they are made with quick-drying products. Gypsum supports and anhydrite screeds must be perfectly dry and pre-treated with PRIMER P16. For very porous, highly absorbent and chalky surfaces, we recommend using the PRIMER P18 consolidating impregnator to reduce the absorption of the substrate and improve the application of the adhesive. On prefabricated concrete supports, walls or floors subject to considerable oscillations, heated floors, large tiles and in all those installations where high elasticity is required (for example for external installations, or when there are differentiated movements between the structure and the tile), it is essential to mix MEGA-KOLL SUPER with MEGAELASTO, as a total or partial replacement of the mixing water.



SPECIFICATION ITEMS

Installation of floors and walls with class C1 cementitious adhesive according to EN 12004, high performance, composed of high-resistance cement, selected mineral aggregates, synthetic resins and specific additives. This adhesive will be suitable for installing ceramic mosaics, single-fired and double-fired porous ceramic tiles on traditional supports; a suitable notched trowel will be used for spreading. The supports must be seasoned and free from dust.

Provide perimeter joints and division joints and always respect the structural expansion joints and any stringcourse joints that may be present. For large formats, for external installations or in very humid environments, for environments subjected to intense traffic, for floors to be smoothed on site or subject to heavy loads, it is necessary to spread the adhesive also on the back of the tiles.

SUPPLY AND STORAGE

MEGAKOLL SUPER is supplied white and gray in 25 kg polythene paper bags on pallets, protected with an extendable cap. It is recommended to store the product in a dry and sheltered place.

In the original closed bags it can be kept for at least 3 months (GREY) and 12 months (WHITE).



MEGAKOLL SUPER

MAIN TECHNICAL CHARACTERISTICS	
Constitution of the Inert	Carbonate and siliceous
Mixing water	27 - 29 %
Color	White or Grey
Consumption	2.5 - 4.5 kg/m ²
Granulometry	< 0.6mm
Apparent density	1.33 kg/litre
Reaction to fire	Class A1
Maximum installation thickness	5 mm
Duration of the dough	Over 6 hours
Open time	> 20 minutes
Recording time	approx. 45 minutes
Execution of wall joints	6 hours
Execution of floor joints	24 hours
Transitability	24 hours
Commissioning	14 days
Initial adhesion after 28 days	≥0.5 N/mm ²
Adhesion after heat action	≥0.5 N/mm ²
Adhesion after immersion in water	≥0.5 N/mm ²
Adhesion after freeze/thaw cycles	≥0.5 N/mm ²
Operating temperature	From - 30 °C to + 90 °C
Application temperature	From +5°C to +35°C

The indicated times, referring to 23 °C and 50 % RH, are longer at lower temperatures and shorter at higher temperatures.

WARNING - The indications and prescriptions reported above correspond to our experience and are to be considered, in any case, purely indicative; furthermore they must be confirmed by exhaustive practical applications; therefore, before using the product, anyone who intends to use it is required to establish whether it is suitable for the intended use and in any case assumes any responsibility that may arise from its use.

SPECIAL WARNINGS

PRODUCT FOR PROFESSIONAL USE. Do not use MEGAKOLL SUPER on concrete subject to strong shrinkage, on metal surfaces, wood, plastic and resilient materials, and to fill irregularities in the surface greater than 10 mm. Provide perimeter joints and elastic partition joints every 20/25 m² inside, every 10/15 m² outside and every 8 linear meters along the corridors. In any case, always respect the structural expansion joints and any string course joints that may be present. Protect the covering from rain and washouts at least for the first 24 hours after installation and from the action of strong sun and frost until the product has completely hardened. For outdoor installation and in case of strong stress, spread the adhesive also on the back of the tiles.