

all 9000

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ALL 9000

Universal high-performance bicomponent epoxy-polyurethane adhesive. Particularly suitable for fixing natural stone and marble affected by damp.

**bonding agents
and adhesives**



A SIKA BRAND



all 9000



MAIN FEATURES

- Two-components (A+B)
- Optimum workability
- No creep
- High performance
- Extremely flexible

APPEARANCE

COMP. A: viscous white paste COMP. B: yellow liquid

STORAGE

12 months in dry place

FIELDS OF USE

- ALL 9000 may only be used by experienced professionals.
- Fixing ceramic tiles of all types and sizes to difficult substrates or ones liable to warp considerably.
- Fixing natural stone affected by humidity, composite marble.
- Fixing vitreous mosaic.
- Fixing ceramic tiles to kitchen surfaces or work tops, to wood or iron surfaces.
- Fixing on heating screeds.

SUBSTRATES

Metal, sanded surfaces, rubber, plastered surfaces or gypsum-based panels, anhydrite slabs, plasterboard, wood, cement-based plaster, asbestos cement, concrete, cement and lime mortar, cement-based screeds, old ceramic tiles, polystyrene.

NATURE OF THE PRODUCT

ALL 9000 contains elastomeric polyurethane resins, selected quartz mineral charges, specific additives. For further details, ask the technical office for the safety brief or download it from the web site www.technokolla.com.

HOW TO PREPARE THE MIXTURE

ALL 9000 is a "reactive" adhesive. This means that it sets through chemical reaction between two components, A and B. It is very important to thoroughly mix these components together.

Start by pouring the liquid (comp. B) onto the paste (comp. A), then stir using a blender with a spiral whisk attachment. The reaction developed by these products is exothermic (heat develops). Remember that if the components are stirred at high speed, the heat developed will considerably speed up the hardening process and, thus, shorten the time the product can be worked.

bonding agents and adhesives



RECOMMENDED ACCESSORIES



Blender



3x3 mm
trowel



6x6 mm
trowel

OPERATIONS PRIOR TO APPLICATION

Substrates must fulfill the requirements of the local standards, be properly cured, structurally sound, dimensionally stable, free of any loose or friable particles, clean, dry and free of any contaminants such as dust, dirt, oil, grease, release agent, cement laitance or efflorescence.

Cement substrates should not be subject to shrinkage after the installation of the product, therefore they must be properly cured. Comply with local standards.

Depending on the substrate condition and contaminants to be removed from the surface, perform adequate preparation techniques, such as such as grinding or blastcleaning, in order to remove all traces of any materials that could reduce the product's adhesion to the substrate.

Cracks in substrates must be identified and sealed appropriately. On non-absorbent or substrates with limited absorbency, such as existing ceramic tiles etc., check to confirm that these surfaces are all firmly and securely bonded and stable, then use suitable de-greasing/descaling products to thoroughly and completely clean the surface.

APPLICATION OPERATIONS

For normal use, apply the product with a serrated trowel (serrations not more than 7 mm with ALL 9000). The open time is very long (about 120 min), while the mixture remains creamy and thoroughly workable for 50 minutes. If possible, it is best to apply the product immediately to surfaces that will be tiled within the useful open time. Press the tile down to make sure that at least 60% of its surface is covered by adhesive. Tiling must be carried out on freshly applied adhesive, applying adequate pressure to ensure complete and uniform contact with the adhesive and thus optimum bond. If a film is seen to form on the surface, the adhesive has been left for too long, then immediately remove the adhesive layer with the trowels, discard this material and apply a fresh layer of adhesive.

Avoid application in direct sunlight and/or strong wind / draughts.

RECOMMENDED ACCESSORIES

Tools used with ALL 9000 can be easily cleaned with spirit cleaner while the product is fresh, but this can only be scraped off once hardened.

WARNINGS AND RECOMMENDATIONS

Do not apply:

- in swimming pools
- at temperatures less than 10°C or more than 35°C
- in coats more than 4 mm thick.

Do not mix portions of the product. Use it all.

Ask the manufacturer if composite marble in resin must be laid outdoors.

CONSUMPTION

Trowel	3x3 mm	6x6 mm
All 9000	~ 2.0 Kg/m ²	~ 3.5 Kg/m ²

Consumption data refer to sole use of a trowel on flat substrates.

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TECHNICAL DATA	VALUE	REQUIREMENT	STANDARD
Weight density	~ 1.6 kg/l		
Open time	*120 min	20 min	EN 1346
Pot life (400 g)	*160-180 min		
Adjustability	*180 min		
Floor tiles can be grouted after	*12 h		
Ready for use	*7 days		
Creep on vertical wall	≤ 0.5 mm	< 0.5 mm	EN 1308
Initial bond	~ 3.2 N/mm ²	°> 2 N/mm ²	EN 12003
Bond after action of water	~ 2.1 N/mm ²	°> 2 N/mm ²	EN 12003
Bond after thermal shock	~ 2.2 N/mm ²	°> 2 N/mm ²	EN 12003
Flexibility	High		
Thermal resistance	from - 40°C to +120°C**		

° according to standard "EN 12004".

* time intervals refer to a temperature of 23°C-50% R.H.. They become shorter with higher temperatures and longer at lower temperatures.

** the maximum temperature is to be understood as an occasional service and not as a continuous one.

SPECIFICATION

Ceramic and/or natural stone cladding affected by damp must be fixed with white polyurethane bicomponent adhesive such as TECHNOKOLLA's ALL9000. This product must also be used for glueing to metal surfaces.

Technokolla reminds you to examine the "notes" document that completes the information in this data sheet.

The document can be downloaded in the pdf format from the website www.technokolla.com.

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