



**Advanced
Pavement
Systems**



Certified Quality System since **FEBRUARY 1993**

From Project to Jobsite

MAGICA 2000

**HIGHLY REACTIVE MORTAR FOR VERY FAST COATINGS, REPAIRS AND WATERPROOFING SUITED FOR "SUB - ZERO" APPLICATIONS
TWO-COMPONENTS OR THREE-COMPONENT**

**CE approved – Certificate n. 1305 - CPD - 0808
EN 1504-3 Class R2**

R2

EN 1504-3

NORMA EUROPEA

Description MAGICA 2000 is a two-components reactive mortar composed of component A (liquid)+ component B (powder granulates). When mixed in the correct proportions the mortar cures very fast even at every temperature till -15°C .
Component C (gravel) can be used for application at high thickness.

Advantages and characteristics

- Two-components: comp. A + comp. B can be used for thickness from 5 mm to 25 mm or even more.
- Three-components: comp. A + comp. B and comp. C (granulates) are suited for thicknesses from 20 mm to 150 mm or even more.
- Operational or open for traffic again, after 1÷3 hours after application, at temperatures from $+30^{\circ}\text{C}$ to -15°C .

Fields of use

- Repair of pavement slabs or concrete elements.
- Waterproofing and protection of borders, balconies, terraces, etc ..

Method of use

- Apply on cured and dry substrates ($\leq 4\%$ residual humidity), eventually use gas heaters to accelerate the drying.
- Clean the substrate with a dry method (sand blasting, scabbling, brushing) in such a way that the support is sound and compacted, free from incoherent parts, dirt, and all other substances which can jeopardise good adhesion (oil, paints, bitumen,..)
- PRIMER: brush with a soft brush the one-component primer **TECNOSOLID 82/WP**.
- LOW THICKNESS : (5÷25 mm): mix with concrete drill attachment, or with mixer with vertical axes, the component B in component A (normally 1 minute of mixing is sufficient) A+B, well mixed without lumps, can be applied by pouring out at each temperature between $+30^{\circ}\text{C}$ and -15°C .*
- MEDIUM/HIGH THICKNESS: (from 20 to 150 mm) add component C to A+B , already premixed, and apply by pouring , with possible slight pestling by a screeding bar.

Remarks Store in well closed original packaging, in protected and dry areas, elevated from the ground. At 20°C and in the dark, the product can be kept for at least 6 months.

Packaging/colours	Packaging A+B	Packaging A+B+C
	Comp. A can of 6 Kg	Comp. A bottle of 1 Kg
	Comp. B bag of 26 Kg	Comp. B bag of 4 Kg
	Tot 32 Kg	Comp. C bag of 5 Kg
	Packaging A+B	Tot 10 Kg
	Comp. A bottle of 1 Kg	Packaging A+B+C
	Comp. B bag of 4 Kg	Comp. A pail of 6 Kg
	Tot 5 Kg	Comp. B bag of 26 Kg
		Comp. C bag of 30 Kg
		Tot 62 Kg

The normal product has a beige colour. On request also the colours red, grey, black, white green and yellow are available.

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Technical characteristic (typical values)	
• Compressive strength	75 N/mm ²
• Flexural strength	30 N/mm ²
• Tensile strength	8 N/mm ²
• Elasticity modulus	5.800 N/mm ²
• Adhesion to substrate (dry, compact and sound)	> 2 N/mm ²
• Consumption	~ 2,2 Kg/m ² /mm
• Storage:	6 months in the original, unopened packaging and in temperate conditions

Safety indications Read carefully the safety indications on the packaging, or consult the relevant Material Safety Data Sheet of this product.

NOTE*: in case of very low temperatures (-10 ÷ -20°C) or in the situation that faster hardening or trafficability is desired, use ACCELERATOR 2000 POWDER (1 component) in ratio of 1,5÷2,5% calculated on the liquid component A .

The above information is based on our best experiences and lab results and on results of the application of the product in various fields. Tecnochem Italiana is not responsible for negative performances due to not proper use of the product or for defects due to elements not connected with the quality of the product included wrong storage.

Technical characteristic in this technical data sheet are up-to-dated periodically .Revision date of this technical data sheet is indicated below. Changes of this data sheet can be found in our web-site www.tecnochem.it where you can find the same technical data sheet updated in real time.

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