



MASTIFLEX

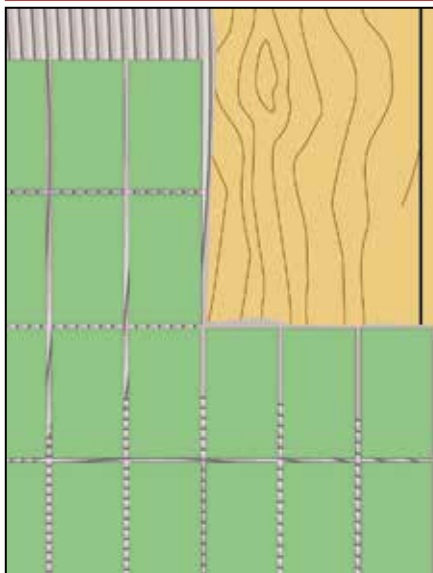
WATER BASED FLEXIBLE ADHESIVE, READY TO USE,
FOR LAYING CERAMIC TILES ON WOOD, GYPSUM,
SCAGLIOLA AND ANHYDRITE WITHOUT APPLYING THE PRIMER,
ON INTERIOR FLOORS AND WALLS.

GRANTS *LEED* CREDITS

CHARACTERISTICS		ENVIRONMENTAL	METHOD OF USE		PRECAUTIONS
ONE-COMPONENT	WATER BASED		APPLY BY TOOTHED SPATULA	APPLY BY TROWEL	STORAGE: KEEP AWAY FROM FROST

PROBLEM

APPLICATION ONTO DIFFICULT SURFACES OR ONTO GYPS SURFACES



SOLUTION

Application of ceramic tiles onto difficult surfaces such as timber, gypsum or surfaces subjected to movement, which require flexibility to cope with distortion and vibration require the use of adhesives with high elasticity characteristics such as **MASTIFLEX**.

MASTIFLEX is an adhesive containing acrylic resins dispersed in water, with selected sand and various additives. The ready mixed adhesive is easy to apply by spatula.

MASTIFLEX provides a long handling time and excellent adhesion on difficult surfaces. Because it is extremely thixotropic, tiles may be laid vertically without slippage. Final setting takes place once the water has evaporated.

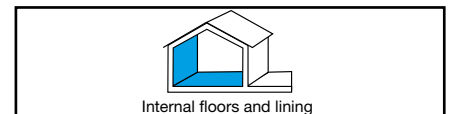
MASTIFLEX guarantees extreme flexibility, good adhesion and resistance to structural stresses.



APPLICATION FIELDS

MASTIFLEX is especially suitable for internal fixing tiles to gypsum plaster, pre-fabricated concrete slabs, timber panels, painted walls and plasterboard panels, on new surfaces and on existent ones, for both floor and walls.

MASTIFLEX is also used to spot bond insulation panels.



ADVANTAGES

- Improved handling time.
- Improved handling time both gypsum and concrete.
- **MASTIFLEX** has improved flexibility to fix tiles on surfaces subjected to structural movement.

METHOD OF USE

• SURFACE PREPARATION

MASTIFLEX may be applied on any type of surface providing there are no loose crumbling parts and it is perfectly dry. If not, surface adhesion will be impaired.

• APPLICATION

MASTIFLEX is applied using a toothed spatula when dealing with ceramic tiles, or by spot-bonding using a trowel for insulating slabs. To clean tools, use water while the adhesive is fresh - when dry use cleaning fluid or trichloroethylene.

• COVERAGE

Variable depending on type of material to be fixed. Mosaics approx 1.5 kg/m². Tiles 2.4 kg/m². Insulating panels 0.5-1.5 kg/m².

• PRECAUTIONS

- Avoid using the product for outdoor applications and on continuously immersed structures such as swimming pools.
- Avoid using the product on metallic surfaces, non-absorbent surfaces with non-absorbent tiles. Do not use on surfaces subjected to rising damp such as non insulated screeds.
- Avoid using in the application of natural stone of a calcareous nature.
- The product is damaged by frost; store in a sheltered area.



TECHNICAL CHARACTERISTICS

	Standard	MASTIFLEX
Appearance		Paste
Colour		White
Density		1.60 ± 0.10 kg/L
Dry residue		84%
Storage in original packaging in a dry place (keep away from frost)		12 months
Workability		
pH		8-9
Application temperature		+5°C ÷ +35°C
Pot life (*)		40 minutes
Adjustability time (*)		50 minutes
Waiting time - before foot traffic use (*)		24 hours
Waiting time - before grouting (*)		24 hours
Performance characteristics		
	Standard	Product performance
Class and type	EN 12004	D1TE
Initial shear adhesion	EN 12003 P7.3	≥1.00 N/mm ²
Adhesion strength - after immersion in water	EN 12003 P7.4	≥1.00 N/mm ²
Adhesion strength - after heat ageing	EN 12003 P7.5	≥1.00 N/mm ²
Adhesion strength - after 30' - Open time	EN 1346	≥0.50 N/mm ²
Slip resistance	EN 1308	≤0.5 mm
Thermal resistance - Operating temperature		-30°C ÷ +90°C
Fire reaction	EN 13501-1	E CWFT P4.4.3
Hazardous substances	EN 12004	in accordance to ZA.1 note

Test conditions: temperature 23±2°C, 50±5% R.H. and air velocity in test area <0.2 m/s. These data may change depending on specific site conditions: temperature, ventilation, moisture and substrate absorbency. (*) The times indicated will be longer or shorter as the temperature drops or rises.

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Pursuant to European standard EN 12004:2007+A1:2012 - General principles for the use of products and systems.

the numerous possible uses and the possible interference of conditions or elements beyond our control, we assume no responsibility regarding the results which are obtained. The purchasers, of their own accord and under their own responsibility, must establish the suitability of the product for the envisaged use.

The figures shown are average indicative figures relevant to current production and may be changed or updated by INDEX at any time without previous warning. The advice and technical information provided, is what results from our best knowledge regarding the properties and the use of the product. Considering

PACKAGING

25-kg-Pail
5-kg-Pail

• FOR ANY FURTHER INFORMATION OR ADVICE ON PARTICULAR APPLICATIONS, CONTACT OUR TECHNICAL OFFICE • IN ORDER TO CORRECTLY USE OUR PRODUCTS, REFER TO INDEX TECHNICAL SPECIFICATIONS •

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