

LEADERFLEX RAPIDO



SPECIAL EXTRA-WHITE OR GREY FLEXIBLE ADHESIVE WITH HIGH SPECIAL POLYMER CONTENT, THIXOTROPIC, FROST PROOF. RAPID HARDENING AND SETTING FOR LAYING MARBLE, NATURAL STONE AND PORCELAIN TILE, FLOORING AND WALLS EVEN WITH SMOOTH NON-ABSORBENT SURFACES. IDEAL FOR LAYING ON WOODEN-BEAM FLOORS SUBJECT TO OSCILLATIONS, FOR TILE ON TILE OF EXISTING FLOORING AND FOR LARGE SIZED TILES.

TECHNICAL FEATURES:

Leaderflex Rapido is a white or grey flexible adhesive powder consisting of high-strength cements, graded particle size aggregates, synthetic resins and special additives. It has been formulated and developed for rapid, reliable installation of marble, granite, natural stone, porcelain tile and ceramic tile including on non-absorbent substrates or substrates subject to slight dimensional variation.



FIELDS OF APPLICATION:

Rapid-setting, interior and exterior floor and wall tiling with natural stone and granite, provided they are stable when they come in contact with water.

Rapid-setting, interior and exterior floor and wall tiling with all types of ceramic, including on hot-water

heated screed and on electric coil heated screeds.

Rapid-setting, interior and exterior tiling with porcelain tile and non absorbing single-fired tile on pre-existing ceramic floorings.

Rapid-setting tiling with porcelain tile and non absorbing single-fired tile on wooden-beam floors subject to oscillations.

Rapid-setting tiling on plasterboard.

-for interior use, maximum tile size 3600 cm².

For tiling walls and heated floors, maximum tile size 2000 cm².

-for exterior use, maximum tile size less than or equal to 2000 cm². For tiling walls, minimum water absorption > 0.5%.





METHODS OF USE AND CONTRAINdicATIONS:

Do not use for installing products with obvious problems of persistent staining if in contact with water even for short periods, in this case use **Marmoflex** or **Benferjolly**.

Do not use for the installation of natural stones or reconstituted tiles which are unstable in the presence of humidity, such as those made chiefly with green marble, certain types of slate and arenaria, in this case use **Benferjolly**.

Do not use on substrates in gypsum, scagliola and anhydrite or on particularly absorbent substrates without first treating them with **Benferprim**.

Do not use on plastics or metals.

Do not use on substrates which are subject to rising damp.

The substrates must be solid, free from oil, grease and dust. Any paint-work must be in good condition, washed and degreased. If this is not the case, the paint must be removed without damaging the plaster. It is essential to leave a joint of at least 3 mm between

each tile, and to ensure that the tiling conforms with the expansion joints of the structure to be elastically sealed, the joints between walls, and the joints between wall and floor. In any event, expansion joints or perimeter joints must be left about every 20 m².

PREPARATION OF THE MIXTURE:

Mix **Leaderflex Rapido** with 26% water (5.2 litres of water for one 20 kg bag of powder), until the mixture has a uniform, gloss appearance and plastic consistency. The adhesive is now ready for use, and remains workable for approximately thirty minutes.

TILING:

INTERIORS: install the tiles by applying sufficient pressure that there is at least 80% contact between tile and wall and 95-100% contact between tile and floor.

EXTERIORS: contact must be 100% so as to prevent the infiltration of rainwater, which in the event of frost, could cause the tiles to detach. You are therefore advised to spread a layer of **Leaderflex**



Rapido on the back of the tiles too.

We recommend this method for interior tiling, in the following cases:

- floor tile sizes exceeding 500 cm² with tiles with absorption of less than or equal to 0.5% (e.g. porcelain tile).
- floor tile sizes exceeding 1100 cm² with other types of tile.
- wall tile sizes exceeding 120 cm² with tiles with absorption of less than or equal to 0.5% (e.g. porcelain tile).
- wall tile sizes exceeding 500 cm² with other types of tile.
- special applications such as industrial cold rooms, baths, swimming pools etc...

At 23° and with 50% relative humidity, the open time of the

mix is approximately 15 minutes. In unfavourable conditions, these times may be significantly reduced. You are therefore advised to spread the adhesive a little at a time and to check frequently that it has not formed a surface film before laying the tile. To improve workability, especially in the summer, it is beneficial to exclude draughts. In the first 12 hours after application,



the adhesive does not withstand frost. Flooring installed using **Leaderflex Rapido** can be walked over cautiously after about 3 hours for the purpose of grouting, and is ready for normal use after 3 days.

COVERAGE:

Coverage depends on the state of the substrate and the type of spreader used. On a smooth substrate, and using an adhesive thickness of 5-6 mm, coverage is 4-5 kg/m² and increases by 0.5-1 kg/m² if the substrate is rough.

CLEANING:

Tiling should be cleaned with a damp cloth or sponge when the adhesive has already started to set. Allow 24 hours after completion of tiling before cleaning with larger quantities of water.



PACKAGING:

Leaderflex Rapido is packed in 20 kg poly-lined bags, is supplied on pallets of 1,260 kg.

STORAGE:

In the original unopened packaging in a dry and cool place.

SHELF LIFE:

Grey version 9 months from the date printed on the packaging; pursuant to EU directive 2003/53/CE, we inform that the expiry date refers to the efficacy of the reducing agent in relation to Chromium VI salts.

White version 12 months.

PRODUCT TECHNICAL DATA

APPEARANCE	EXTRA-WHITE / GREY POWDER
CONSERVATION	IN THE ORIGINAL UNOPENED PACKAGING, IN A DRY PLACE
DURATION: GREY VERSION: 9 MONTHS FROM THE DATE LISTED ON THE PACKAGE; IN CONFORMITY WITH THE DIRECTIVE EEC 2003/53 INFORMING THAT THIS TIME EXPIRATION REGARDS THE EFFICIENCY OF THE REDUCING AGENT IN RESPECT TO HYDRO-SOLUBLE CHROME VI. WHITE VERSION: 12 MONTHS	
DANGER OF HARM	NO POSSIBLE IRRITATION OF THE EYES AND SKIN FOR CONTACT DUE TO THE CEMENT CONTENT. ADEQUATE PROTECTION IS RECCOMENDED.
FLAMMABILITY	NO
MIXING RATIO	26 PARTS WATER WITH 100 PARTS POWDER BY WEIGHT
LIQUID MIXTURE	5,2 LITERS PER 20 KG SACK OF POWDER
MAXIMUM APPLICATION DEPTH	10 mm
COVERAGE	FROM 3,5 TO 5 Kg/m ²
APPLICATION TEMPERATURE	FROM + 5°C TO + 30°C
MIXTURE POT LIFE	30 MINUTES
OPEN TIME AT 23°C AND 50% HUMIDITY	15 MINUTES
WALKOVER TIME WITH CAUTION FOR GROUTING ON DRY SUPPORTS AT 23°C	3 HOURS
FINAL HARDENING ON DRY SUPPORTS	14 DAYS

FINAL PERFORMANCES

	VALUE	MINIMUM REQUIREMENT
EARLY INITIAL TENSILE ADHESION STRENGTH (1 DAY)	≥ 0,5 N/mm ²	≥ 0,5 N/mm ²
INITIAL TENSILE ADHESION STRENGTH 14 DAYS	≥ 1 N/mm ²	≥ 1 N/mm ²
ADHESION AFTER HEATING (14 DAYS + 14 DAYS AT 70°C)	≥ 1 N/mm ²	≥ 1 N/mm ²
ADHESION AFTER WATER (7 DAYS + 21 DAYS IN WATER)	≥ 1 N/mm ²	≥ 1 N/mm ²
FROST RESISTANCE (25 CYCLES)	≥ 1 N/mm ²	≥ 1 N/mm ²
FLEXIBILITY (EN 12002)	≥ 2,5 mm	≥ 2,5 mm
COMPRESSIVE STRENGTH	7.5 N/mm ²	
SHEAR STRENGTH	≥ 0,7 N/mm ²	≥ 0,7 N/mm ²
RESISTANCE TO TEMPERATURE	FROM - 30°C A + 80°C	
CONFORMS TO	EN 12004 CLASS C2F EN 12002 CLASS S1	

data collected at 23°C and 50% of r.h.

PLEASE NOTE: The data and information contained herein are dictated by our best results, and are purely indicative and must be verified by the user of the product who assumes complete responsibility for its use.