BENFERFIX RAPIDO

SPECIAL QUICK-SETTING GREY ADHESIVE FOR INTERIOR AND EXTERIOR LAYING OF FLOORINGS AND COVERINGS FROST-RESISTANT

TECHNICAL FEATURES:

Benferfix Rapido is a powder adhesive made up by grey cements, aggregates with selected

granulometry and special additives. Its formula has been conceived and developed in order to meet the constantly increasing demand for quick laying of floors and quick coating of walls in premises open to the public, such as bars, discotheques, supermarkets, swimming pools, offices or private premises in which, in any case, the coming and the going of people should be stopped only for the least possible time, such as manufacturing plants, cold-storage rooms, bathrooms, staircases, kitchens and terraces in flats that are already inhabited. In fact, floors laid with **Benferfix Rapido** can be walked on with caution, for the purpose of filling the joints, after only 2 hours from the laying, even in the case of foundations with limited absorbing power as it generally happens with pre-existent floors. **Benferfix Rapido** is also recommended when it is possible that the temperature will drop below zero few hours after the laying. Mixed with our product **Flexible Cemlatex Solution** it becomes the most suitable product for laying ceramic floor tiles over timber wood.

FIELDS OF APPLICATION:

Interior and exterior laying of ceramic floor and wall tiles, porcelainised stoneware, clinker, terra-cotta (brickwork) and natural stones of all types also on smooth and non absorbing floors foundations.

Laying of floorings and coverings exposed to the freezing risk during the following 6 hours.

Laying on pre-existent floors in ceramic, natural stones and similar materials.

Mixed with **Flexible Cemlatex Solution** laying of ceramic floor tiles over timber wood in size up to 40x40.

Good open time

METHOD OF USE AND CONTRA-INDICATIONS:

Foundations should be stationary and non-deformable, not free to do any movement outside the elastic oscillations and vibrations that are proper for the structures. Consequently, light or thin prefabricated panels are not indicated, unless product mixed with **Flexible Cemlatex Solution** is used. The most proper foundations are made of exposed cement, expansive cement, cement plaster, and cement mortar, even if they are still fresh, but provided they resist the action of the spatula. Old interior plastering should be in good condition and free from oil, grease and dust. In the presence of paint, this should be in best conditions, washed and degreased, otherwise it will be absolutely necessary to scrape it off carefully until the plastering is revealed. Old exterior plastering should be in very good condition of resistance and definitely free from paint. The chalky plasters should be perfectly dry and previously treated by a brush with the special product called **Benferprim**. In order to perform interior or exterior laying of floors, the mortar should be free from dust and have totally completed its water shrinkage. By pre-existing floor it has to be previously washed and degreased with duty care, and if some levelling corrections are necessary, **Benferfix Rapido** can be used (mortar layers up to 5 mm), but the mortar should be left to harden for about one hour before starting to lay the floor.

PREPARATION OF THE MIXTURE:

Mix **Benferfix Rapido** with about 26% of clean water of the powder weight, taking care to pour the powder into the water and not vice versa, until you obtain a homogeneous paste. The adhesive is now ready for use and it will remain workable for about half an hour before starting to set.

For laying ceramic floor tiles over timber wood mix half of the contents of the can of **Flexible Cemlatex Solution** with half of the powder of the bag and use it within half an hour.

TILING:

INTERIOR: Lay the tiles by exerting a reasonable

Expired open time

pressure so that contact with the adhesive will be as a minimum of 80% of their surface for walls and 95-100% for floors.

EXTERIOR: Contact should be the 95-100% so that rain infiltrations will be prevented, as these, in the case of frost, may cause the tiles' falling off. Consequently, it is recommended to spread the back of the tiles with a layer of **Benferfix Rapido**. The same procedure should be followed also for interior coating and flooring of industrial refrigerators, tubs, swimming pools, etc. At 23° and 50% of relative humidity, the open and the correction times of **Benferfix Rapido** are of about 10-15 minutes. Under unfavourable conditions and on particular substrates, these time intervals can be notably reduced. Therefore, it is advisable to spread the adhesive gradually to verify often, before laying the tiles, that the applied adhesive has not formed a film on its surface. In order to improve the workability, particularly during the summer, it will be useful to damp the working place and to eliminate the possible currents of air. In the first 6 hours that follow the tiling, the glue cannot stand the frost. The floors made with **Benferfix Rapido** can be opened to foot-traffic only about 2 hours from the tiling for the grouting, and they are ready for normal traffic after 3 days.

COVERAGE:

It depends on the condition of the substrate and the type of trowel utilized. With a smooth substrate and a layer thickness of the adhesive of 5-6 mm, coverage is 4-5 kg/m² and it increases from 0,5 to 1 kg/m² in the case of rough substrate.

CLEANING:

The cleaning of the coatings should be performed with a moist cloth or sponge when the glue has already started to set and it can be repeated by using more water only after several hours after the laying.

PACKAGING:

Benferfix Rapido is available in 20 kg poly-lined bags and 1260 kg pallet loads.

STORAGE:

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

SHELF LIFE:

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.

PRODUCT TECHNICAL DATA		
	MIXED WITH WATER	**MIXED WITH FLEXIBLE CEMLATEX SOLUTION**
CONSISTENCY	VERY DOUGHY	VERY DOUGHY
COLOUR	GREY	GREY
CONSERVATION	POWDER: IN THE ORIGINAL CLOSED PACKAGE, IN A COOL DRY PLACE FLEXIBLE CEMLATEX SOLUTION: PROTECT FROM FROST	
DURATION: BENFERFIX RAPIDO: 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. FLEXIBLE CEMLATEX SOLUTION: 6 MONTHS		
DANGER OF HARM	NO POSSIBLE IRRITATION OF THE EYES AND SKIN FOR CONTACT DUE TO THE CEMENT CONTENT. ADEQUATE PROTECTION IS RECCOMENDED.	NO
FLAMMABILITY	NO	NO
MIXING RATIO	26 PARTS WATER WITH 100 PARTS POWDER BY WEIGHT	8 KG OF FLEXIBLE CEMLATEX SOLUTION WITH 20 KG OF BENFERFIX RAPIDO
MAXIMUM APPLICATION DEPTH	10 MM	
COVERAGE	FROM 3,5 TO 5 Kg/m²	
APPLICATION TEMPERATURE	FROM + 5°C TO + 35°C (THE TEMPERATURE CAN HAVE AN IMPORTANT INFLUENCE ON THE SETTING TIME)	
POT LIFE	20 MINUTES	
OPEN TIME AT 23°C AND 50% HUMIDITY	10 MINUTES	
WALKOVER TIME ON DRY SUPPORTS AT 23°C	2 HOURS	3 HOURS
FINAL HARDENING ON DRY SUPPORTS	3 DAYS	3 DAYS

	MIXED WITH WATER		MIXED WITH FLEXIBLE CEMLATEX SOLUTION	
	VALUE	MINIMUM REQUIREMENT	VALUE	MINIMUM REQUIREMENT
EARLY INITIAL TENSILE ADHESION STRENGTH (1 DAY)	≥ 0,5 N/mm²	≥ 0,5 N/mm²	≥ 0,5 N/mm²	≥ 0,5 N/mm²
INITIAL TENSILE ADHESION STRENGTH 28 DAYS	≥ 1 N/mm²	≥ 1 N/mm²	≥ 1 N/mm²	≥ 1 N/mm²
ADHESION AFTER HEATING (14 DAYS. + 14 DAYS AT 70°C)	≥ 1 N/mm²	≥ 1 N/mm²	≥ 1 N/mm²	≥ 1 N/mm²
ADHESION AFTER WATER (7 DAYS + 21 DAYS IN WATER)	≥ 1 N/mm²	≥ 1 N/mm²	≥ 1 N/mm²	≥ 1 N/mm²
FROST RESISTANCE (25 CYCLES)	≥ 1 N/mm²	≥ 1 N/mm²	≥ 1 N/mm²	≥ 1 N/mm²
FLEXIBILITY (EN 12002)			≥ 2,5 mm	≥ 2,5 mm
COMPRESSIVE STRENGTH	9 N/mm²			
SHEAR STRENGTH	≥ 0,7 N/mm²	≥ 0,7 N/mm²	≥ 0,7 N/mm²	≥ 0,7 N/mm²
RESISTANCE TO TEMPERATURE	FROM - 30°C TO + 80°C			
CONFORMS TO	EN 12004 CLASS C2F		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.