

ANCOR-FIX

Series 8231

Solvent-based, fixative impregnating agent for concrete floors suitable as adhesion promoter for anti-dust paints



TECHNICAL FEATURES

2K, epoxy-based system mainly composed of low molecular weight polymers which grant excellent penetration and consolidation of the cement substrate allowing the overcoating with transparent or pigmented final coats.

APPLICATION FIELD

Product ideal as fixative impregnating agent for indoor and outdoor concrete floors where greater penetration into the concrete surface coat is to be achieved in order to guarantee high adhesion and wear resistance performance.

Classified in compliance with the Directive 2004/42/EC – Legislative Decree 161/06: Cat. j-BS) two-pack performance coatings. VALORE LIMITE UE 500 g/l (2010) - CONTENT 499 g/l

GENERAL INFORMATION

System: Two pack - 2K

Nature: Solvent-based

Packages: 4kg - 16 kg

SUBSTRATE PREPARATION

- **New floor:** to carry out the work properly, it is necessary to verify the absorption of the substrate pouring some water on the support to be coated in order to ensure sufficient porosity to the cement surface before coating it. If the water is rapidly absorbed, the substrate is in optimal conditions to be coated. Otherwise it is not porous enough and the surface must be chemically treated as follows: accurately wash the floor with an acid solution consisting of 1 part of muriatic acid and 9 parts of water. After the chemical reaction, rinse with water and after complete drying proceed coating the floor.
- **Already coated floor:** mechanically remove old paint, not compliant coatings, oils, greases, rubber-abraded coatings and friable material.

APPLICATION

Application conditions

Application by brush or short-haired roller for enamels is recommended. To ensure the homogeneity of the product with the hardener, please follow the instructions below: pour the Hardener, Component B, into the binder, Component A, mixing well. After applying the fixative, wait 12-24 hours and no later than 3-4 days before applying the finishing coat.

EQUIPMENT	VISCOSITY	NOOZLE	PRESSURE	NOTES
ROLLER AND BRUSH	-	-	-	Ready to be used

CATALYSIS

SERIES	HARDENER	CATALYSIS	USE	POT LIFE AT 20°C	PACKAGE
8901	HARDENER FOR ANCOR-FIX	100% by weight (100 + 100)	For impregnation of flooring	6 hours	4 kg - 16 kg

ENVIRONMENTAL CONDITIONS



ENVIRONMENT
TEMPERATURE

12°C - 35°C



SUBSTRATE
TEMPERATURE

12°C - 35°C



RELATIVE
HUMIDITY

60 %



SHELF LIFE

Store 1 year in original sealed packaging at +5/+35°C.

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TECHNICAL DATA



THEORETICAL AVERAGE SPREADING RATE	APPLICATION	DILUTION	GLOSS	WET FILM THICKNESS EACH COAT	DRY FILM THICKNESS EACH COAT	N° OF COATS	TOTAL DRY FILM THICKNESS	THEORETICAL AVERAGE CONSUMPTION
22 m ² /kg each coat at the dry film thickness of 20 μ	Brush, Roller	Ready to be used	-	46 μ	20 μ	1 or 2 coats to achieve the total proper thickness	30 μ	45 g/m ²

DRYING



OVERCOATING INTERVAL	AIR DRYING	DUST-FREE DRYING	DRY TO TOUCH	DRY THROUGH	FULL CURE	FLASH OFF	STOVING DRYING	RESISTANCE TO TEMPERATURE
6 hours - 3 days	20°C	2 - 3 hours	4 - 6 hours	3 - 4 days	14 days	-	-	80°C

WARNINGS AND RECOMMENDATIONS

- Shelf Life Component B: the shelf life of the hardener used with Component A is 24 months.
- Do not apply the product with floor temperatures below +10°C.
- Check for the presence of moisture in the substrate: it must not exceed 4%.
- The Pot Life can be influenced by the temperature. Increasing the temperature of the material and the substrate, the pot life time useful for the application decreases: 120-150 minutes at 10°C/90-120 minutes at 20°C/30-60 minutes at 30°C. After these times the product tends to dulling.
- Apply the second coat after 12 hours but not later than 4 days at the temperature of 15°C, and after 12 hours but not later than 3 days at the temperature of 20°C. At 10°C the substrate is walkable in 3 days and the complete film hardening is obtained after 12 days; at 20°C the substrate is walkable in 2 days and the complete film hardening is obtained after 8 days; at 30°C the substrate is walkable in 2 days and the complete film hardening is obtained after 6 days. Complete chemical resistances are reached after 10-15 days at 20°C/30°C.
- Before applying any coating, it is advisable to carry out the "plastic sheet" test, according to Standard ASTM D 4263-83, to check for any problem caused by excessive rising moisture and/or counter-thrust water.
- The floor must have a minimum compressive strength of 25 N/mm² and tensile strength of 1,5 N/mm².

SUPPLY TECHNICAL DATA

Composition: Solvent-based epoxy
Reference color: Transparent
% solid content by weight: 59 ± 2%
% solid content by volume: 54 ± 2%
VOC: 421 ± 2 g/l
VOS: 41 ± 2%

PARAMETER	DATA	TEST METHOD
SPECIFIC WEIGHT	0.95 - 1.05 g/ml	ISCOL 2
VISCOSITY	25 - 35 seconds Ford Cup 2	ISCOL 4

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MIXING RATIO A+B

	METHOD	8901
Specific weight after catalysis (A+B): $0.98 \pm 0,05$ g/ml	A+B BY WEIGHT	100 + 100
% solid content by weight (A+B): $46 \pm 2\%$		
% solid content by volume (A+B): $43 \pm 2\%$	A+B BY VOLUME	100 + 110
VOC (A+B): 499 ± 2 g/l		
VOS (A+B): $54 \pm 2\%$		

NOTES

Sanitary labelling: Handle the product with care. Make reference to the MSDS and respect the national and local regulations in force concerning personal and environmental safety.

Additional notes:

- The data reported in this data sheet have been obtained using only Franchi&Kim production materials (coatings, hardeners, thinners) applied in accordance with the specifications described. The improper use of thinners and/or hardeners, different from those suggested or not manufactured by Franchi & Kim, can compromise application features, performances and final curing of the product. Therefore, in case of mixed coating systems with Franchi & Kim and other brand products, the conformity of the results with the parameters indicated in the technical data sheet cannot be granted.
- The times related to pot life and drying intervals refer to a standard temperature of 20°C, except when it is expressly indicated.
- The data relating to section mixing ratio A+B are to be considered referring only to the first recommended catalyst.
- The spreading rates are theoretical, indicative and intended per coat as they can be influenced by the color and the application system. Practical application test is suggested.
- Pot Life times have been defined at the temperature of 20°C, therefore higher or lower temperatures, hardeners, environmental conditions and humidity different from the standard can influence in defect or in excess the duration of the Pot Life.

The information contained in this technical document is correct and accurate to the best of our knowledge, and should therefore be considered reliable. In any case, they cannot imply a guarantee on our part, as certain factors such as the preparation of the product and the substrate, the conditions of use, application, drying and overcoating, as well as the state of conservation of the products, are outside our strict control. It is responsibility of the user to verify the suitability of the products for the specific use, as well as the correct and precise execution of the work in accordance with the content of the technical data sheet, the recommended coating system and preparation of the support. For further information regarding the method of application and conditions of use, it is recommended to contact our technical support service. It should be noted that the packaging image could have a placeholder purpose and could therefore be an indicative reference. The packages indicated may vary according to the additions or changes of the annual price lists. This document replaces all previous versions. In any case, it is advisable to refer to the annexes with the explanatory notes to better understand and deepen the parameters of the technical data sheet. The updated edition, available on the website www.franchi-kim.com in the section technical data sheets of the download area is to be considered the only ones to consult as reference.

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