

ACRIFLOOR

Series 8240

2K, solvent-based acrylic clearcoat for cementitious floors



TECHNICAL FEATURES

Solvent-based clearcoat based on acrylic resins and non-yellowing cross linking agents. The product has a good aesthetic appearance and surface hardness and is also suitable for outdoor application thanks to the aliphatic polymers.

APPLICATION FIELD

Product ideal as clear, acrylic topcoat to be applied both as anti-dust, thin film thickness coat on new, rough or uncoated cementitious floors, and as transparent protective coat on previously applied, colored coats to guarantee greater durability and resistance outdoors and indoors.

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 432 g/l

GENERAL INFORMATION

System: Two pack - 2K

Nature: Solvent-based

Packages: 3 l

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

The application with a brush or short-haired roller for enamels is recommended. To guarantee the homogeneity of the product with the hardener, it is necessary to follow the instructions: pour the hardener (component B) into the transparent base (component A); mix with an electric stirrer with motor speed at 300-400 rpm. After the catalysis, let the product rest for 5-10 minutes, dilute with PUR thinner series 0988 and proceed with the application. Apply the first coat diluted at 5-10% and after about 12-24 hours and no later than 3-4 days, finish applying one coat of the product ready to be used or diluted at 5% with PUR thinner series 0988.

EQUIPMENT	VISCOSITY	NOOZLE	PRESSURE	NOTES
ROLLER AND BRUSH	-	-	-	Ready to be used; max 5% with PUR Thinner Series 0988

CATALYSIS

SERIES	HARDENER	CATALYSIS	USE	POT LIFE AT 20°C	PACKAGE
1392	HS PLUS 420 HARDENER	30% by weight (100 + 30)	Hs, slow for outdoor use	3 hours	1 l

ENVIRONMENTAL CONDITIONS



ENVIRONMENT
TEMPERATURE

5°C - 35°C



SUBSTRATE
TEMPERATURE

5°C - 35°C



RELATIVE
HUMIDITY

60 %



SHELF LIFE

Store 2 years 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
8,7 m ² /l each coat at the dry film thickness of 60 µ	Brush, Short Hair Roller	Ready to be used; max 5% with PUR thinner Series 0988	75 - 85 gloss	115 µ	60 µ	1	60 µ	120 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
8 - 96 hours	20°C	20 - 30 minutes	2 - 3 hours	24 - 36 hours	14 days	-	-	80°C

WARNINGS AND RECOMMENDATIONS

- Shelf Life Component B: the shelf life of the hardener used with Component A is 12 months.
- Check for the presence of moisture in the substrate: it must not exceed 4%.
- 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: Modified acrylic
Reference color: Transparent
% solid content by weight: 53 ± 2%
% solid content by volume: 46.4 ± 2%
VOC: 480 ± 2 g/l
VOS: 46.7 ± 2%

PARAMETER	DATA	TEST METHOD
VISCOSITY	800 - 900 mPa.s (20°C) Rod 3 Speed 20	ISCOL 1
GLOSS	75 - 85 gloss 60°	ISCOL 6
SPECIFIC WEIGHT	1 - 1.05 g/ml	ISCOL 2

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MIXING RATIO A+B

	METHOD	1392
Specific weight after catalysis (A+B): $1.04 \pm 0,05$ g/ml	A+B BY WEIGHT	100 + 30
% solid content by weight (A+B): $58 \pm 2\%$		
% solid content by volume (A+B): $52 \pm 2\%$	A+B BY VOLUME	100 + 30
VOC (A+B): 432 ± 2 g/l		
VOS (A+B): $42 \pm 2\%$		

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 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.
- 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, other than those mentioned 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.
- All times indicated in the drying section are to be intended at the temperature of 20°C , unless otherwise specified.
- The data relating to section catalysis ratio A+B are to be considered referring only to the first recommended catalyst.
- 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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