

ACRIFLOOR

Series 8240

2K, solvent-based acrylic clearcoat for cementitious floors



General information

System: Two pack - 2K

Nature: Solvent-based

Packages: 3 l

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

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 Thinner for Polyurethanes and Acrylics series D0003 and apply the product. Apply the first coat diluted at 5-10%; after 12-24 hours but no later than 3-4 days, apply one coat of the product ready to be used or diluted at 5% with Thinner for Polyurethanes and Acrylics Serie D0003.

EQUIPMENT	VISCOSITY	NOOZLE	PRESSURE	NOTES
ROLLER AND BRUSH	-	-	-	Ready to be used; max 5% with Thinner for Polyurethanes and Acrylics Series D0003

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

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ENVIRONMENTAL CONDITIONS

Environment temperature 5°C - 35°C

Substrate temperature 5°C - 35°C

Relative humidity 60 %

Shelf life

2 years in original sealed containers, intact and protected from frost and excessive heat at a temperature not lower than +5°C and not higher than +30°C.

TECHNICAL DATA

Theoretical average spreading rate 8,7 m²/l each coat at the dry film thickness of 60 µ

Application Brush, Short Hair Roller

Dilution Ready to be used; max 5% with Thinner for Polyurethanes and Acrylics Series D0003

Gloss 75 - 85 gloss

Wet film thickness each coat 115 µ

Dry film thickness each coat 60 µ

N° of coats 1

Total dry film thickness 60 µ

Theoretical average consumption 120 g/m²

DRYING

Overcoating interval 8 - 96 hours

Air drying 20°C

Dust-free drying 20 - 30 minutes

Dry to touch 2 - 3 hours

Dry through 24 - 36 hours

Full cure 14 days

Flash off -

Stoving Drying -

Resistance to temperature 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

% solid content by weight 53 ± 2%

Voc 480 ± 2 g/l

Reference color Transparent

% solid content by volume 46.4 ± 2%

Vos 46.7 ± 2%

SUPPLY TECHNICAL DATA

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

MIXING RATIO A+B

Specific weight after catalysis (a+b)	1.04 ± 0,05 g/ml	% solid content by weight (a+b)	58 ± 2%	Voc (a+b)	432 ± 2 g/l
		% solid content by volume (a+b)	52 ± 2%	Vos (a+b)	42 ± 2%
1392					
A+B BY WEIGHT	100 + 30				
A+B BY VOLUME	100 + 30				

NOTES

Sanitary labelling:

Handle the products with care and always consult the material safety data sheets in order to comply with current safety and environmental regulations

Additional notes:

- The spreading rates indicated are to be considered theoretical as they do not take into account the application systems and color.
- What is reported in this technical data sheet is obtained through the exclusive use of Damiani products (paints, hardeners, thinners) applied according to the specifications indicated. The use of materials from other companies in mixed systems with Damiani products can compromise the performance of the applied coating systems. By virtue of this, the company does not guarantee the final result.
- The times related to pot life and drying intervals refer to a standard temperature of 20°C, except in cases where it is expressly indicated.
- The data relating to the A+B mixing ratio section are to be considered with reference only to the first recommended hardener.
- 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.

All the data of the document have been verified and can be considered reliable. The responsibility for the use of the product to be applied remains with the user in compliance with what is indicated in the technical data sheet. Any use of the product that differs from what is indicated in the technical data sheet concerning the parameters of preparation of the product, of the substrate, of drying and applications or that is outside the provisions of the recommended coating systems and of the preparations of suitable surfaces, must be considered attributable to the user and therefore exempts the manufacturer from any and all liability and/or guarantee. The user must in any case check and verify the suitability of the selected products according to the specific, intended use. For any information regarding the coating system, the application conditions and the technical features of the products, it is advisable to contact the technical assistance service of the Damiani laboratory. It should be noted that the packaging image could have a placeholder purpose and could therefore constitute 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, to better understand the parameters of the technical data sheet, it is advisable to refer to the annexes of the explanatory notes. The updated version of the following technical data sheet available in the specific section on the website www.color-damiani.com is to be considered the only one binding.

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