

AQUAFIXER

Series 8200

Water-based, fixative impregnating agent for concrete floors suitable as adhesion promoting coating for anti-dust paints



General information

System: Two pack - 2K

Nature: Water-based

Packages: 2.5 kg

Technical features

2K, water-based, epoxy system based on polymers that grant excellent penetration and consolidation of the cement substrate, allowing overcoating with transparent or pigmented final coats.

Application field

As water-based fixative impregnating for indoor and outdoor concrete floors when higher penetration into the cement surface is to be achieved in order to guarantee high adhesion performance and resistance to wear.

*Classified according to EC Regulation 2004/42/EC - Dlgs 161/06 -Cat. j-BA) two-pack performance coatings.
EC LIMIT VALUE 140 g/l (2010) - CONTENT 30 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

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	-	-	-	Dilution by roller: first coat 20% with tap water; second coat 10% with tap water

CATALYSIS

SERIES	HARDENER	CATALYSIS	USE	POT LIFE AT 20°C	PACKAGE
0948	EPOX HARDENER FOR FLOORS	40% by weight (100 + 40)	Standard for flooring	90 minutes	1 kg

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ENVIRONMENTAL CONDITIONS

Environment temperature 12°C - 35°C

Substrate temperature 10°C - 35°C

Relative humidity 60 %

Shelf life

1 year 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 11 m²/kg each coat at the dry film thickness of 40 µ

Application Short Hair Roller, Brush

Dilution 30% with tap water

Gloss -

Wet film thickness each coat 87 µ

Dry film thickness each coat 40 µ

N° of coats 1

Total dry film thickness 40 µ

Theoretical average consumption 92 g/m²

DRYING

Overcoating interval 12 - 96 hours

Air drying 20°C

Dust-free drying -

Dry to touch -

Dry through 36 - 48 hours

Full cure 12 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.
- 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.
- 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	Epoxy polyamide	% solid content by weight	26 ± 2%	Voc	41 ± 2 g/l
Reference color	Transparent	% solid content by volume	24 ± 2%	Vos	4 ± 2%
		VISCOSITY	SPECIFIC WEIGHT	PH	
TEST METHOD		ISCOL 4	ISCOL 2	ISCOL 11	
DATA		71 - 75 seconds Ford Cup 4	0.95 - 1.05 g/ml	10 - 12 pH	

MIXING RATIO A+B

Specific weight after catalysis (a+b)	1.05 ± 0,05 g/ml	% solid content by weight (a+b)	48 ± 2%	Voc (a+b)	30 ± 2 g/l
		% solid content by volume (a+b)	46 ± 2%	Vos (a+b)	2.8 ± 2%
0948					
A+B BY WEIGHT	100 + 40				
A+B BY VOLUME	100 + 40				

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 information reported in this technical data sheet is obtained through the exclusive use of Damiani products (paints, hardeners, thinners) applied according to the indicated specifications. The use of products from other companies in mixed coating systems with Damiani products can compromise the performance of the applied coating system. 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 when 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.
- 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.

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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