ACRY FIX 4525

ACRYLIC RESIN FOR PRINTED CONCRETE AND WALL FIXATION

FORMAT

1L, 5L, 25L

PROPERTIES

Protector for printed concrete
Good weather resistance
Excellent applicability
Very fast drying
No sanding required for repainting
Good adhesion
Dustproof

PRODUCT DESCRIPTION

Solvent-based product for sealing and protecting concrete floors and porous surfaces. Compacts, waterproofs and increases the strength of the concrete. Totally transparent and colourless, it enhances the colour and finish of the paving. Facilitates the cleaning of the printed concrete pavements on which it is applied, both dry and wet. Great penetration power.

USES/SCOPE OF APPLICATION

ACRY FIX 4525 can be used both indoors and outdoors. Although it is a product specially designed for application on printed concrete pavements, it can also be used on cement mortars and brick or plaster walls, hardening the porous surfaces and regulating the absorption of the substrates. It can be used as a protective layer in light traffic car parks.

REPORTS AND CERTIFICATES

Fire classification for floors A2fl-s1 according to EN 13501-1

Certificate of compliance with Directive 2004/42/EC on maximum content of Volatile Organic Compounds in paints and varnishes.

CHARACTERISTICS

Type of resin	Acrylic
Presentation	1L, 5L, 25L
Finishing	Brilliant
Colour	Colourless / Transparent
Mixing ratio	Not applicable
Solids by Weight	18-22% UNE-EN ISO 3251
Solids by volume	15-19% UNE-EN ISO 23811
Dilution	Ready to use
Diluent	SOLVENT 350 CHLORINATED RUBBER, SOLVENT 302 UNIVERSAL

TECHNICAL INFORMATION

Density	0,90 ± 0,05 g/mL	UNE-EN ISO 2811-1
Viscosity	25 ± 5 sec	ISO 2431
Volatile organic compound (VOC) content	EU maximum permitted value: 750 g/L	Directive 2004/42/II A (h)
Tensile adhesion	6 N/mm2 (concrete failure)	UNE-EN 1542
Abrasion resistance	ND	EN ISO 7784-1
Impact resistance	ND	UNE EN ISO 6272-1
Shore hardness D	ND	EN ISO 868
Chemical resistance	ND	UNE-EN ISO 2812-3 UNE-EN ISO 4628
Slip resistance	ND	UNE-EN 16155

Lifetime			
	10°C	Not applicable	Shelf life for 1 kg of mixture A+B
	20°C	Not applicable	
	30°C	Not applicable	

Drying time			
	10°C	50 min	UNE 48301 Dust drying
	20°C	30 min	
	30°C	15 min	

Repainting time

	Myself		Solvent-based products	
	min	max	min	max
10°C	10h	Unlimited	ND	ND
20°C	6 h	Unlimited	ND	ND
30°C	2h	Unlimited	ND	ND

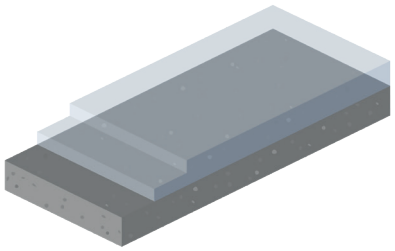
Transitability

	Pedestrian Traffic	Light Traffic	Full cure
10°C	48 h	7 days	14 days
20°C	18 h	3 days	7 days
30°C	12 h	48 h	5 days

Note: Times are approximate and may be modified by environmental conditions and thickness applied.

APPLICATION SYSTEMS

PRINTED CONCRETE PROTECTION



	PRODUCT	RDTO.	LAYERS	THICKNESS
PRIMING	ACRY FIX 4525	0.05-0.1 kg/m2	1	10-20 microns
FINISH	ACRY FIX 4525	0.05-0.1 kg/m2	1	10-20 microns
TOTAL		0.1-0.2 kg/m2	2	20-40 microns

Note: These data are theoretical and do not take into account additional material costs due to porosity, roughness, losses, etc.

IMPLEMENTATION PROCESS

ENVIRONMENTAL CONDITIONS

Application temperature: 5ºC to 35ºC.

Maximum 80% relative humidity.

Do not apply if rain is expected or at hours of maximum sunlight.

The substrate and ambient temperature must be at least 3ºC above the dew point during application to avoid condensation.

PREPARATION OF THE SUBSTRATE

The surface must be clean, compact, dry, free of dust or salts, free of efflorescence, free of loose or poorly adhering parts and free of any grease, oil or contamination that could interfere with the adhesion of the system.

On excessively polished surfaces sand to open the pore.

Materials in poor condition must be completely removed and cracks and areas in poor condition must be repaired until a sound, dry and clean substrate is obtained.

SUPPORT CONDITIONS

Dry substrate with humidity < 4 % with CM meter.

There shall be no rising damp measured by the polyethylene film method (ASTM E1907).

Concrete substrates must have a compressive strength above 25 N/mm2 and a tensile strength above 1.5 N/mm2.

Allow cement mortars to set completely (28 days minimum).

PRODUCT PREPARATION

Stir until the product is well homogenised. Stir again periodically. If necessary, adjust viscosity with a suitable solvent.

PRODUCT APPLICATION

For screeds, it is usual to apply one or two undiluted coats to improve the strength of the concrete. For very low porosity substrates or adverse environmental conditions, it may be necessary to apply one thinned coat followed by another in use.

For application by brush or roller, if it is necessary to thin the product, up to 20% of a suitable thinner can be used. For spray or airless application, dilution up to 30% is possible.

The applied product must be protected from moisture and condensation for at least 24 hours.

TOOL CLEANING

The utensils used must be cleaned with solvent immediately after use.

Suitable solvent: SOLVENT UNIVERSAL 302

ADDITIONAL INFORMATION

HEALTH AND SAFETY

For any information concerning safety issues in the use, storage, transport and disposal of this product, users should consult the labelling and the most recent version of the product's MSDS, which contains the safety, ecological and toxicological information on the product.

Material Safety Data Sheet: MSDS-716

LER CODE: 08 01 12

WASTE: NON-HAZARDOUS

TARIFF HEADING

TARIC code: 3208 20 90

STORAGE CONDITIONS

The storage should be in a cool and dry place (between 5 and 30ºC), in its original containers, well closed and not deteriorated, protected from frost and direct sunlight. The stability of the product in its original unopened containers, at ambient temperatures not higher than 30ºC and not lower than 5ºC shall be 12 months from the date of manufacture.

LEGAL NOTICE

The technical information given in this document as well as the recommendations concerning the application and use of the product are given in good faith, with data based on current knowledge of the product, laboratory tests and practical use under normal conditions of storage, handling and application. The complete reproducibility of the data given for each individual use is not guaranteed. The user of the product must test the suitability of the product according to the end use of the product. Users must know and use the most recent version of the technical and safety data sheets of the product.

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