0927 MATT FINISH IDRO

2K MATT WATER-THINNABLE TRASPARENT FINISH
FOR FLOORS




Water based


Internal

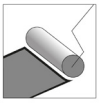


Two-component


Brush



See warnings


Roller

Advantages

→ Non-yellowing
→ Good chemical and abrasion resistance
→ Walkable and good resistance to light rubber traffic

Description and Use

Two-component water-based matt acrylic transparent finish which, combined with a specific hardener (CODE 4727), creates a non-yellowing film with good chemical resistance and good abrasion resistance.
Can be used internally as a protective coating on epoxy cycles and on old, well-adhered paints that support overpainting with the product.
It can also be used as a finish on new wooden parquet or on properly prepared old varnishes. The product is also resistant to light rubber traffic (not suitable for parking vehicles).
Also suitable for protected exteriors, not directly exposed to the elements and prolonged contact with water.

Substrate preparation

- BARE CONCRETE:

Make sure the substrate is perfectly dry, cohesive, free from oil stains, grease, dirt and any other form of pollutant that could compromise perfect adhesion.
Apply the enamel EPOX GRES code 1829 or EPOX PAVIMENTI IDRO code 0887, as reported in technical datasheet.
Apply the first coat of finish code 0927 within 24/36 hours of applying the previously applied product.
Wait at least 24 hours before applying the second coat.

- OLD PAINTS:

Make sure they can be overpainted with product code 0927.
Roughen the surface to facilitate adhesion, clean with suitable detergents.
Proceed with the application of the first layer of 0927.
Wait at least 24 hours before applying the second coat.

Application

Application method:
- roller
- brush (for small portions, outlines or corners)

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Product preparation:
Add and mix the two products in the ratio indicated below, until the mixture is completely homogenized.

	By weight	By volume
PRODUCT 0927 MATT FINISH IDRO	100	4
HARDENER 4727 INDURITORE PER MATT FINISH IDRO	25	1
THINNER DEMINERALISED WATER	10-15%	10-15%

Recommended thicknesses:
Variables depending on the conditions of the support and the results you want to get (two hands recommended).

Recoating:
Wait at least 24 hours before applying the second coat.

Storage life

PROTECT FROM FROST. Store the packaged product at a temperature between +5°C and +35°C.
If stored in a cool, dry place, away from sources of heat and sheltered from sunlight, in its sealed original packaging, the product has a shelf life in months specified in the table of products with expiry date. Check the product's shelf life by referring to the production batch number shown on the packaging. The batch number is made of eight numeric characters in which the first four digits identify the year and month of production. Once the stated shelf life has expired, it must be disposed of in accordance with current legislation.

Table of products with expiry date		
Product name	**Code**	**Expiry date in months**
MATT FINISH IDRO	0927	12
INDURITORE PER MATT FINISH IDRO	4727	12

Technical features

Colour	transparent
Appearance of the dry film	matt
Gloss	20 - 30 gloss (Gardner 60°)
Type of product	two component
Pot-life	90 minutes
Viscosity part "A"	120-140 seconds ISO-DIN Cup 4
Dry residue by weight (ready to use)	38.9%
Dry residue by volume (ready to use)	33,5%
Recommended thicknesses	40 microns of dry film, with two layers of product
Theoretical cover rate *	8 m²/l referring to a dry thickness of 40 µm
Air drying (20°C - 65% RH)	45 minutes, dust free
	5-6 hours, touch dry
	24 hours, through drying
Allowing foot traffic	after 24-36 hours
Maximum chemical resistance	after 7 days
Abrasion resistance after 7 days	30 mg – taber test mole CS10, 1000g, 1000 rotations
EU limit values for VOC content (Directive 2004/42/EC)	Category A/j, WB: VOC max 140 g/l product VOC < 140 g/l
* The cover rate is calculated on the suggested thickness and applied on plane and regular surfaces.	
The data are measured at a temperature of 20° C	

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Chemical resistance table

Stain resistance		Evaluation of alterations according to UNI EN ISO 4628-1 standard
UNI EN ISO 2812-4_ | r | _continuous contact for 24h	Sulfuric acid 10%	No alteration
	Citric acid 10%	No alteration
	Nitric acid 10%	Rating: 2 - Very light, barely noticeable surface alteration
	Acetic acid 10%	No alteration
	Formic acid 10%	Rating: 2 - Very light, barely noticeable surface alteration
	Hydrochloric acid 10%	No alteration
	Ammonia 10%	No alteration
	Sodium chloride 10%	No alteration
	Hydrogen peroxide 3%	No alteration
	DOT4 brake fluid	Rating: 3 - Moderate, clearly perceptible surface alteration
	Olive oil	No alteration
	mineral oil	No alteration
	Balsamic vinegar	Rating: 4 - Considerable, pronounced surface alteration
	Hydraulic oil	No alteration
	Diesel	No alteration
	Caustic soda 50%	No alteration
	Petrol	Rating: 3 - Moderate, clearly perceptible surface alteration
	Acido acetico 30%	Rating: 4 - Considerable, pronounced surface alteration
	Acido solforico 30%	Rating: 4 - Considerable, pronounced surface alteration
	Acido cloridrico 30%	Rating: 4 - Considerable, pronounced surface alteration

Determination of slippage resistance in accordance with Italian ministerial decree 236 of 14/06/1989 (B.C.R.A. method)		**Note**
Average dynamic friction coefficient (leather on dry surface)	0.44	Non-slip flooring means a floor whose R coefficient is greater than 0.40.
Average dynamic coefficient of friction (Rubber on dry surface)	0.51	
Average dynamic friction coefficient (rubber on wet surface)	0.60	

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Warnings

Do not apply at temperatures below +5°C and above +30°C
It is important to carry out the catalysis in the exact curing ratio. When it is necessary to divide the packaging, use a precision scale to catalyse correctly as the fixed ratio. It is important to carry out the catalysis in the exact curing ratio.
Do not use after 90 minutes of preparing the mixture.
The application of such products must be subjected to a careful evaluation of the surface quality by our Technical Assistance Service (relative humidity, substrate absorption and the working typology for which the premises is used).

- **The product contains synthetic polymer microparticles (SPM).**
- **INSTRUCTIONS TO PREVENT THE RELEASE OF SYNTHETIC POLYMER MICROPARTICLES INTO THE ENVIRONMENT**
- **In accordance with Regulation (EU) 2023/2055, please follow the procedures below to prevent environmental release.**
- During use and application, avoid accidental release of the product onto soil, into drains, or household wastewater. Apply the product only to the surfaces to be treated.
- Any remaining product should be stored by tightly sealing the original container. Dispose of the product/container in accordance with national regulations.
- If you wish to reuse the tools used for application, follow these steps to clean them in an environmentally responsible manner.
- The water, solvents or thinners used for cleaning tools, as well as any product residues, MUST NOT be released into the environment or poured down domestic drains.
- Remove as much product as possible from the tools used.
- Soak the tools in hot water or in solvent for at least a couple of hours, then remove them from the container.
- Allow the water in the bucket to evaporate and let the tools dry. For solvent-based products, close the container. Do not release the product into the environment and do not pour it into drains.
- Deliver the container with any remaining product / wash water / solvent / cleaning thinner to an authorised waste collection centre, in accordance with national regulations.
- Product for professional use.
- Always read the safety datasheet before use.
- During use, ventilate the room well and use water to clean tools.
- It is recommended to acquire all the material required to finish the work of the same batch.
- The information provided on this technical datasheet is based on our technical and practical knowledge and experience. The technical data refer to the average characteristics of the basic product and are determined under controlled laboratory conditions. The variability of the raw materials available on the market and the tinting of the product can lead to slight deviations in the declared values, in the colour and in the aesthetic effects obtained. It is therefore necessary for the purchaser/user to personally verify, before application, the suitability of the product for the intended use, in particular when different batch numbers of the same material are used in the same work/site.

The above mentioned data are meant to facilitate our customers in the use of our products. IMPA is not responsible for applications of products carried out beyond its direct control. For further technical information about specific systems and/or special applications, please contact our TECHNICAL SERVICE at assistenza.tecnica@impa.it.

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