

<b>GIORGIO GRAESAN</b> and Friends	TECHNICAL SHEET	Code	TDS1010_00
	<b>IAPER RESINA</b>	Revision	00
		Date	30/05/2018

## 1. DESCRIPTION

Self-crosslinking single-pack water-based polyurethane resin with a satin finish. Good resistance to dirt, high surface hardness and quick drying.

Low thickness coverage; as it is not a filler, does not hide tile joints. Can be pigmented with our additives, matching wall colour.

## 2. USE

Can be applied on all types of mineral and wooden floorings. Its low thickness means the operation is quick and easy, without demolition work.

Product for indoor use only, not suitable for high foot traffic. Protection with CERA DEL VECCHIO improves its mechanical characteristics. Not resistant to harsh chemical agents.

## 3. PREPARING THE SUBSTRATE

The floor to be treated must be cleaned and degreased 24 hours prior with denatured ethyl alcohol; if needed, it can be sanded to promote adhesion.

In case of application on concrete floor, it is better to insulate with an epoxy adhesive to prevent the formation of micro bubbles.

## 4. PREPARING THE MIXTURE

Before using in the first coat, the product must be activated with PROMOTORE DI ADESIONE, which will enable IAPER RESINA to perfectly adhere to the floor to be coated.

First, colour IAPER RESINA, then add the promoter, never the other way around. Mix slowly and apply within 24 hours. If the product has thickened slightly, dilute with water (maximum 5%).

## 5. METHOD OF APPLICATION

IAPER RESINA is applied in two coats using the special PE 13 roller; in case of show-through, increase the number of coats.

Application must be done carefully, moving the roller slowly and making sure that the product properly adheres to the surface, including the joints between the tiles, preferably using cross-hatch strokes. Avoid fast strokes, as they lead to the formation of surface air bubbles.

Wait 4-6 hours between one coat and the next; if more than 24 hours have gone by, lightly sand with thin sandpaper. Regular IAPER RESINA can be used for subsequent coats; alternatively, the first coat version with the adhesion promoter added can also be used.

As long as IAPER RESINA is not "dry dust-free", protect the area from dust and other agents that could settle on the surface and ruin the final work.

## 6. CLEANING THE TOOLS

Clean IAPER RESINA off tools by rinsing with water.

## 7. PROTECTING AND CLEANING:

Seven days after applying the second coat, to increase resistance to dirt and foot traffic, we recommend protecting IAPER RESINA using CERA DEL VECCHIO.

Clean using a neutral detergent, never use denatured ethyl alcohol.

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## 8. SAFETY RECOMMENDATIONS AND RISK IDENTIFICATION.

The product does not require labelling according to current regulations. Use the product according to current health and safety regulations; after use, do not dispose of containers to the environment; let residue dry thoroughly and handle as special waste. Keep out of the reach of children. If swallowed, seek medical advice immediately and show this container or label. Do not empty into drains, waterways or soil.

For more information, see the safety data sheet available on: [www.giorgiograesan.it](http://www.giorgiograesan.it)

TECHNICAL CHARACTERISTICS: APPLICATION	
Dilution	If the product has thickened slightly, add maximum 5% water.
Mixing	For the first coat: mix IPER RESINA with PROMOTORE DI ADESIONE, after colouring the product in the container.
Tools	PE 13 roller
Conditions of application	From +10°C to +35°C with relative humidity < 85%
Number of coats	2 or more, depending on the desired coverage
Surface drying time	6-8 hours at 20°C
Wait time for 2 <sup>nd</sup> coat	6-8 hours at 20°C
Curing time	24 hours at 20°C
Final cure time	7 days to reach the definitive mechanical characteristics
Protection	CERA DEL VECCHIO
Washability	Neutral detergent, never wash with denatured ethyl alcohol

TECHNICAL CHARACTERISTICS: COVERAGE	
IPER RESINA	20 m <sup>2</sup> /L (can vary depending on the roughness, porosity and absorption of the substrate and the method of application)

TECHNICAL CHARACTERISTICS: COLOURING	
To match wall colour finished with SEGUI IL TUO ISTINTO and GIOIA, see table below	
Colour 1 in GIOIA	Add 150 ml of chosen additive to 1 litre of IPER RESINA
Colour 2 in GIOIA	Add 50 ml of chosen additive to 1 litre of IPER RESINA
Colour 3 in GIOIA	Add 12 ml of chosen additive to 1 litre of IPER RESINA
Colour 4 in GIOIA	Add 4 ml of chosen additive to 1 litre of IPER RESINA

We recommend not exceeding the quantity of Colour 1, or the characteristics of IPER RESINA will be compromised.

TECHNICAL CHARACTERISTICS: PRODUCT	
Composition	Water-based polyurethane resin
Specific weight	1.12 ± 0.03 kg/litre
pH	>8.0 – 8.5 after 30 days
Appearance of applied product	satin finish
Film thickness	50 – 100 micron for each coat
Resistance to abrasion	Excellent
Water repellency	Excellent
Adherence	Good
Elasticity	Good
Impact resistance	Good
Temperature resistance	Max. 80°C
EU limit value (Directive 2004/42/EC):	Maximum content 93.48 g/L
Storage conditions	Keep in a cool, dry place at temperatures between +5°C and +30°C
Stability	12 months in tightly sealed, never opened packaging
Packaging	IPER RESINA: 1 litre - PROMOTORE DI ADESIONE 0.025 litres

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## RESISTANCE TO MOST COMMON SUBSTANCES

Substance	Result	Substance	Result
Water	resistant	Mayonnaise	resistant
Water + 5% detergent	resistant	Ketchup	resistant
Generic multi-surface cleaner	resistant	Wine vinegar	resistant
Generic and glass cleaner	resistant	Wine	resistant
Mustard	less resistant	Coffee	resistant
Black heel mark resistance	resistant		resistant

Chemical and physical resistance improves if IPER RESINA has subsequently been treated with CERA DEL VECCHIO.

Giorgio Graesan & Friends guarantees that the information in this sheet is provided to the best of its experience and its technical and scientific knowledge, however cannot assume any responsibility for the results obtained with their use as the conditions of application are beyond its control. We recommend always checking the actual suitability of the product for each specific case. This sheet nullifies and replaces any previous version. For more information, call phone number **(+39) 02.9903951** or on **Whatsapp: (+39) 3371410335**.