GIORGIO GRAESAN and Friends	TECHNICAL SHEET IPER RESINA	Code	TDS1010_02
		Revision	02
		Date	29/10/2025

1. DESCRIPTION

A single-component, self-crosslinking, water-based polyurethane resin with a satin finish. It resists dirt pick-up well, has a high surface hardness, and dries quickly.

It has a low-thickness covering effect, so since it's not a filler, it doesn't hide tile joints. It can be pigmented with our additives to match the color of the walls.

2. USE

It can be applied to all types of mineral and wood flooring. Its low thickness allows for quick and easy application, without demolition work.

Product for interior use only, not suitable for heavy foot traffic. CERA METALLIZZATA protection improves its mechanical properties. Not resistant to aggressive chemicals.

3. PREPARING THE SUBSTRATE

The floor to be treated must be cleaned and degreased 24 hours beforehand with denatured ethyl alcohol. If necessary, it can be sanded to increase adhesion.

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

4. PREPARING THE MIXTURE

Before being used for the first coat, the product must be added with ADHESION PROMOTER, this allows IPER RESINA to adhere perfectly to the floor to be painted.

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

5. METHOD OF APPLICATION

IPER RESINA should be applied in two coats using a PE 13 roller. If the surface is transparent, increase the number of coats.

Apply carefully, moving the roller slowly and ensuring the product adheres well to the surface, including in the joints between tiles, preferably with crisscrossing movements. Avoid rapid movements, as they cause surface air bubbles to form.

Wait 4-6 hours between coats. If more than 24 hours have passed, a light sanding with fine sandpaper is necessary. For subsequent coats, you can use regular IPER RESINA or even the first coat with the adhesion promoter added.

Until IPER RESINA is completely dry, protect the area from dust and other agents that could settle on the surface and ruin the final result.

6. CLEANING THE TOOLS

Cleaning tools from IPER RESINA is done by rinsing with water.

7. CLEANING THE FINISHED SURFACE

After 7 days from the application of the second coat, to increase resistance to dirt and trampling, it is recommended to protect IPER RESINA with CERA METALLIZZATA.

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

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 safety data sheet available on: **www.giorgiograesan.it**

TECHNICAL CHARACTERISTICS: APPLICATION	
Dilution	If the product is slightly thickened, add a maximum of 5% water
Mixing	Mix before use
Tools	Roller PE 13
Conditions of application	From +10°C to +35°C with relative humidity < 85%
Number of coats	2 or more depending on the coverage to be obtained
Surface drying time	4-6 hours at 20°C
Wait time for 2nd coat	4-6 hours at 20°C
Initial cure time	24 hours at 20°C
Final cure time	7 days to reach the final mechanical characteristics
Protection	CERA METALLIZZATA
Washability	Neutral detergent, do not wash with denatured ethyl alcohol

TECHNICAL CHARACTERISTICS: COVERAGE	
IPER RESINA	20 m^2/litre (may vary depending on the roughness, porosity and absorption of the substrate and the application method)

TECHNICAL CHARACTERISTICS: PRODUCT To match the color of the walls finished with SEGUI IL TUO ISTINTO and GIOIA see the table below	
COLOR 1 of GIOIA	Add 150 ml of the chosen additive to 1 litre of IPER RESINA
COLOR 2 of GIOIA	Add 50 ml of the chosen additive to 1 litre of IPER RESINA
COLOR 3 of GIOIA	Add 12 ml of the chosen additive to 1 litre of IPER RESINA
COLOR 4 of GIOIA	Add 4 ml of the chosen additive to 1 litre of IPER RESINA

It is recommended not to exceed the amount of COLOR 1, otherwise 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
Applied product appearance	Satin
Film thickness	50 – 100 microns for each coat
Abrasion resistance	Excellent
Water repellency	Excellent
Adherence	Good
Elasticity	Good
Impact resistance	Good
Temperature resistance	Max. 80°C
EU limit value (Dir. 2004/42/EC)	Maximum VOC content 93.48 g/l
Storage conditions	Keep in a cool, dry place at temperatures between +5°C and +30°C
Stabilità	12 months in well-sealed and unopened packages
Packaging	IPER RESINA: 1 litre - ADHESION PROMOTER: 0.025 litres

RESISTANCE TO MOST COMMON SUBSTANCES

Substance	**Result**	**Substance**	**Result**
Boiling water (100°C)	resistant	Mayonnaise	resistant
Water + 5% detergent	resistant	Ketchup	resistant
Generic multi-surface cleaner	resistant	Wine vinegar	resistant
General purpose and glass cleaner	resistant	Wine	resistant
Mustard	less resistant	Coffee	resistant
Resistance black stripes heel	resistant		

Chemical-physical resistance improves if IPER RESINA is subsequently treated with CERA METALLIZZATA

SYNOPTIC TABLE OF SUBSTRATES

SUBSTRATE	Preparation	Primer	First coat	Second coat
Glazed tiles	Degrease with denatured alcohol		+ promoter	as is
Stoneware tiles	Degrease with denatured alcohol		+ promoter	as is
Terracotta tiles	Solvent-based wax remover		+ promoter	as is
Clinker tiles	Degrease with denatured alcohol		+ promoter	as is
Smooth concrete flooring	Degrease with denatured alcohol	Iper Resina dil. 30%	+ promoter	as is
Prefinished wood	Sanding and cleaning		+ promoter	as is
Solid wood	Sanding and cleaning		+ promoter	as is
Wood veneer	Sanding and cleaning		+ promoter	as is
Treated PVC flooring	Sanding and cleaning	Iper Resina dil. 30%	+ promoter	as is
PVC flooring	Sanding and cleaning	Iper Resina dil. 30%	+ promoter	as is
Melamine flooring	Sanding and cleaning	Iper Resina dil. 30%	+ promoter	as is
Iron	Degrease with solvent and sand		+ promoter	as is
Powder-coated iron	Degrease with solvent and sand		+ promoter	as is
Polyurethane-coated iron	Degrease with solvent and sand		+ promoter	as is
Glass	Degrease with denatured alcohol		+ promoter	as is
Marble	Degrease with denatured alcohol and sand		+ promoter	as is
Aluminum	Sanding and cleaning		+ promoter	as is
Brass	Sanding and cleaning		+ promoter	as is
Okite	Sanding and cleaning		+ promoter	as is
Plastic	Sanding and cleaning		+ promoter	as is

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.**