

GIORGIO GRAESAN and Friends	TECHNICAL SHEET VETRO OPACO	Code	TDS1015_02
		Revision	02
		Date	26/09/2022

1. DESCRIPTION

VETRO OPACO is a protective, clear, mat, water-based finish with acrylic polymers. Makes finishes waterproof, considerably increasing washability and resistance to stains and dirt. VETRO OPACO is **HACCP** certified with very low emission of harmful compounds, A+ classification.

2. USE

Suitable for application on the interior walls of bathrooms, kitchens or other settings that require protection from water. Ideal for interiors of shower stalls or other settings in direct contact with water. VETRO OPACO, once dry, gives the surface a distinct satiny and uniform appearance.

3. PREPARING THE SUBSTRATE

The surface on which it is to be applied must be clean, dry, adherent.

4. METHOD OF APPLICATION

VETRO OPACO is ready for use, only dilute when required.

The support must be **completely dry**, wait until the surface is completely dry, at least 12-24 hours, depending on the type of product to be protected, if applied on a still wet surface it tends to whiten and its protective effect is reduced.

Product to be protected	First coat	Second coat
MORBIDO TOCCO ITALIANO	VETRO OPACO diluted to 30% applied with PE15 roller	Just to give more protection
ISTINTO PIETRA SPACCATA	ISTINTO NATURAL	VETRO OPACO undiluted and applied with PE3 brush
ISTINTO PIETRA ZEN	VETRO SATINATO undiluted and applied with PE3 brush	
ISTINTO CEMENTO NATURALE	ISTINTO COLORED with GIOIA - WHITE - ORO VETRO OPACO undiluted and applied with PE3 brush	VETRO OPACO undiluted and applied with PE3 brush
ISTINTO PIETRA INTAGLIATA		
ISTINTO PIETRA LEVIGATA	VETRO SATINATO undiluted and applied with PE13 roller	VETRO OPACO undiluted and applied with PE3 brush
ISTINTO PIETRA CONTEMPORANEA		
ISTINTO ESTASI DI MARMO		
MURO NATURALE – SPATULA STUHHI	VETRO SATINATO undiluted and applied with PE13 roller	VETRO OPACO undiluted and applied with PE3 brush
SPIRITO LIBERO		
FILI DI SETA – MINIMAL	VETRO OPACO undiluted and applied with PE3 brush	Just to give more protection
GIOIA – WHITE – ORO	VETRO OPACO undiluted and applied with PE3 brush	Just to give more protection
CASA DEI SOGNI	VETRO OPACO undiluted and applied with PE3 brush	Just to give more protection

Apply as much of the product as possible and remove the excess. We recommend applying the product gently without vigorously rubbing. If a milky appearance and brush strokes appear during application, these will disappear with the drying process. On corners or other spots hard to reach, apply with a brush, especially along joints between different surfaces.

Wait 4-6 hours between coats.

For better protection, especially inside shower enclosures and behind kitchen tops, we recommend applying at least two coats of undiluted VETRO SATINATO and then undiluted VETRO OPACO.

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Once done, seal the edges in contact with other surfaces (shower trays, taps, kitchen countertops) with suitable silicone, to avoid water stagnating, which would result in the formation of haloes or crazing.

5. CLEANING THE TOOLS

Clean VETRO OPACO off tools by rinsing with water.

6. CLEANING THE FINISHED PRODUCT

Clean with LATTE DETERGENTE (50 ml LATTE DETERGENTE in 1 litre of water).

7. SAFETY RECOMMENDATIONS AND RISK IDENTIFICATION

The product does not require labelling according to current regulations. Use and store 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 his 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	Product is ready for use; may be diluted as needed
Mixing	Always mix before use
Colouring	Not provided
Tools	Brush PE3 - Roller PE13 - Roller PE15 depending on the substrate
Primer	Not provided
Conditions of application	From +10°C to +30°C with relative humidity < 85%
Number of coats	1 or 2, depending on the substrate to protect
Drying time	Each coat dries in 4 – 6 hours at 20°C
Wait time for 2 nd coat	12 hours at 20°C
Curing time	24 hours at 20°C
Lavabilidad	Full wash with LATTE DETERGENTE

TECHNICAL CHARACTERISTICS: COVERAGE	
VETRO OPACO	7 – 8 sqm/litre Diluted to 30% in MORBIDO TOCCO 15-18 sqm/litre

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TECHNICAL CHARACTERISTICS: PRODUCT	
Composition	Acrylic copolymer in water emulsion
Specific weight	1.05 ± 0.03 kg/litre
pH	>8.0 – 8.5 after 30 days
EU limit value (Directive 2004/42/EC) Cat. A/I: decorative effect coatings (water-borne): 200 g/l	Maximum VOC content 47.59 g/l
Storage conditions	Keep in tightly sealed container, even after use and after cleaning the sides and lid of the tin, in a cool, dry place at temperatures between +5°C and +30°C
Packaging	1 – 2.5 litres

PRODUCT CERTIFICATIONS			
IAQ – INDOOR AIR QUALITY		HACCP – UNI 11021:2002	

RESISTANCE TO THE MOST COMMON SUBSTANCES – PROTECTED with VETRO OPACO

Substance	Contact time 10 min.	Contact time 2 hours
Soy	resistant	resistant
Ketchup	resistant	resistant
Mustard	resistant	resistant
Fruit juice	resistant	resistant
Tea	resistant	resistant
Coffee	resistant	halo
Red wine	resistant	halo
Non-permanent marker	resistant	halo
Acetic acid (10%)	resistant	halo
Citric acid (10%)	resistant	resistant
Ammonia (10%)	resistant	yellowing
Ethanol 48%	resistant	resistant
Ethanol 96%	film removal	film removal
Coca Cola	resistant	resistant
Acetone	film removal	film removal
Olive oil	resistant	halo
Toothpaste	resistant	resistant
NaCl (30%)	resistant	resistant
Peroxide (3%)	resistant	resistant
Bleach	resistant	yellowing
Chlorinated water (swimming pool)	resistant	resistant

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**.