



icoquarz

**Non-slip, UV and ponding-water resistant resin
in water dispersion.**



**Anti-skid
Technology**

icoquarz



Product description

Ready to use, colored, non-slip, UV and ponding-water resistant, elastomeric liquid waterproof resin in water dispersion.

Uses

- Colored, slip-resistant waterproofing of areas subject to foot traffic.
- Non-skid finish for acrylic waterproofing membranes.
- Waterproof coating that conveys a stylish sandblasted effect to facades and vertical structures.



Features / Benefits

- Applied as a topcoat to acrylic waterproofing membranes, provides foot traffic resistance and anti-skid properties.
- As a thick coating, ICOQUARZ is waterproof and slip resistant.
- Seamless, UV resistant and conformable to irregularly shaped substrates.
- One component, ready to use, quick and easy to apply. Water based and with a very low VOC content, it is environmentally friendly and safe for application.
- Easily renovates areas exposed to foot traffic and subject to natural wear and tear.
- Durability is dependent on use and wear and is conditional on pedestrian traffic intensity.



Surface preparation

Clean thoroughly and remove dust, loose material or non-adhering particles, grease, oil and any contaminant that may affect proper adhesion. Applying to substrates that are moist or subject to negative hydrostatic pressure, rising damp and/or evaporative flows may result in delamination of the waterproofing layer.

- Concrete: Substrate must be cured, clean, dry, sound and solid. Prime with ICOFORCE (see TDS). Floor-to-wall transitions as well as cracks and threshold gaps must be sealed with ICOJOINT MS silane modified polymer cartridge.
- Seamless acrylic membranes: Check for proper bonding to the substrate before coating with ICOQUARZ. Clean surface carefully. No need to prime.
- Tiles: Check the state of tile grout, remove and replace any loose or missing tile portions. Treat with ICOFORCE bonding primer. Consider the possible need for the specific EXIT AIR vent pipes, especially if there is a risk that the underlying build-up may contain residual humidity in excess of 3%.

ANTI-SLIP PROPERTIES - RAMP TEST

Ramp angle	27° DIN51130
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Classification	R11 BGR 181-10/2003
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Application instructions

- As a non-skid coating, apply ICOQUARZ in one coat at a rate of minimum 0.5 kg/m².
- As a slip-resistant waterproof layer, apply in two coats at a rate of minimum 2 kg/m².

To renovate worn, high foot traffic areas, clean surface carefully and apply ICOQUARZ at an appropriate rate for the intended use.

Drying time may vary considerably if the product is applied at different temperatures than those specified in the table.

Tools can be cleaned with water while product is fresh or with nitro thinners once hardened.

Precautions

- Apply at temperatures between +5°C and +35°C (41°F/95°F).
- Ensure that the substrate is dry and dew free.
- Do not apply in case of rain, fog, dew, or if such weather conditions are imminent or expected during the curing period.
- Avoid applying during the hotter part of the day and to substrates that are exposed to intense sunlight, both before and during application.
- Protect from rain until cured.
- Joints and cracks must be treated appropriately as per industry standards.
- Stir before use to mix any minerals that may have settled to the bottom of the pail.
- Excess residual moisture in the substrate may result in blistering or delamination.
- ICOQUARZ is suitable for pedestrian traffic but is not intended for vehicle traffic nor to withstand continuous static loads.
- Once cured, ICOQUARZ is non-slip. It is advisable to preemptively assess whether the anti-skid requirements are met.
- Clean periodically, as dirt may build up due to the textured finish.
- Despite its resistance to temporarily standing water, ICOQUARZ is not recommended for constant contact with water.



PRODUCT PERFORMANCES		
HARMONIZED STANDARD EN 1504-2:2004		
TEST METHODS	ESSENTIAL CHARACTERISTICS	REQUIREMENTS
EN 1062-6	Permeability to CO ₂	$S_D > 50m$
EN ISO 7783-1-2	Water vapor permeability	CLASS I ($S_D < 5m$)
EN 1062-3	Capillary absorption and water permeability	$w < 0,1 \text{ Kg/m}^2 \cdot h^{0.5}$
EN 1542	Bond strength by pull off test	$\geq 0,8 \text{ MPa}$
EN 13687-3	Freeze-thaw cycling without de-icing salt immersion	$\geq 0,8 \text{ MPa}$
EN 1062-11:2002	Exposure to artificial atmospheric agents	No visible defects
EN 1062-7	Crack bridging properties	Class A5 (-5°C)
EN 13501-1	Reaction to fire	Euroclass E
	Release of dangerous substances	see SDS



TECHNICAL DATA

PRODUCT FEATURE	MEASURE	UNIT
Type of product	one component, water based	
Density	1.45 (± 0.05)	kg/L
Solid content	70 ($\pm 2\%$)	%
Number of coats	1 - 2	
Spread rate per coat	0.5 - 1.0	Kg/m ²
Coverage	0.5 - 2.0	m ² /Kg
Dry film thickness (0.5 kg/m ²)	≈ 0.2	mm
Cold flexibility	-10	°C
Abrasion resistance (mass loss)	< 3000 (H22 grinder – 1000 cycles – 1000 g)	mg
Tensile elongation at break (+23°C)	150	%
Service temperature	- 10 to +90	°C
Dilution	Ready to use	
Shelf life	12	months

Safety measures

See SDS

Storage

Store in a dry, well-ventilated place at temperatures > 5°C.

Colors



Red



Gray



Please contact our technical support at:
assistenza@icobititalia.com

Ensure that the TDS is up to date: the latest version can be viewed and downloaded at icobit.com. The manufacturer reserves the right to amend product specifications without notice. The above performances were measured according to the standards in force at the time of issue and represent the average results of our tests. Although highly reliable, they do not constitute a binding commitment nor liability for Icobit Italia S.r.l. The purchaser and the end consumer acknowledge responsibility for the product suitability to the intended use.

PACKAGING



APPLICATION METHODS



BRUSH



SHORT NAP ROLLER



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