



TECHNICAL DATA SHEET

1.5 ACRYLIC MORTARS



► Reviquarz NT-20

2614 / Version 3 / 05-03-2025



DESCRIPTION

Structured mineral mortar for the waterproofing and decoration of façades, based on the latest technology nanohybrid resin composites. Component of the Rhonaterm system that contributes to LEED and BREEAM certifications.

PROPERTIES

- Water-repellent and rainwater-proof.
- Water vapour-permeable, allowing transpiration of the support.
- Resistant to the negative effects of weathering.
- Resistant to the alkalinity of the surface, such as cement mortars, concrete, brick, etc.
- Good adhesion to common construction materials.
- Good flexibility.
- Does not crack in a thick layer.
- With anti-mould paint preservative for film, avoids the appearance of fungus and algae spots on its surface.
- Sprayable using the most common application equipment.
- Due to its hybrid nature, which combines the elasticity of organic compounds with the hardness of inorganic binders, dirtying of façades is avoided.
- The paint offers a decisive advantage thanks to the quartz nanostructures present in its organic composition. These nanostructures form a dense three-dimensional network of quartz, which is compact and resistant like mineral, helping to fight dirt and keep facades clean for longer periods.
- Self-cleaning effect is promoted when exposed to rain.
- This product has a last generation biocidal film preservative against the proliferation of microorganisms on the coating that offers long-lasting protection, although limited in time. The duration will depend on the atmospheric conditions and the concentration of spores of the place, and for this reason the proliferation of fungi and algae cannot be definitively avoided. If the architectural design of the building does not provide sufficient protection for the façade and the environmental conditions are conducive to the development of microorganisms, it is suggested to carry out periodic preventive maintenance on the affected surface.

USES

REVIQUARZ is a coating with exceptional quality characteristics for protecting and decorating façades. This product can be applied with a dense paste gun or trowel to make trowelled, drop or crumpled-drop finishes using the appropriate tools.

TECHNICAL DATA

Appearance	Matt, rough texture
Colour	White and colours from the Esencia and Coloritud façades charts.
Thinner	Water.
Density at 20°C (Kg/L)	1.75 ± 0.05
Content in solids % volume	70
Determination of adhesion by direct traction, UNE-EN 1542:1999 (N/mm2)	1.18
Liquid water permeability (UNE-EN 1062-3:2008) (Kg/m2h0.5)	< 0.1, low
Water vapour permeability (EN 1504-2: 2004)	Class I
Usage	Coating: 3 - 4 Kg/m2 ETICS: 1 - 4 Kg/m2
Touch dry (hours)	1-3
Second coat (hours)	24
Maximum dilution	0-5 %, if necessary.
Total drying (days)	15 - 20
Cleaning of utensils and stains	With water before drying.
Volatile Organic Compounds (COV).	Maximum product content 17,50 g/l



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HOW TO APPLY

- Stir the product until totally smooth.
- The surfaces to be painted must be clean, dry and free of dust, grease, saltpetre, etc.
- If not, the surface must be cleaned properly and prepared with a coat of appropriate fixer.
- If the surface is already painted, ensure the previous paint is in good condition and well-adhered.

SURFACE AND AMBIENT CONDITIONS

AMBIENT TEMPERATURE:

Do not paint at an ambient or surface temperature of below 7°C .

RELATIVE HUMIDITY:

Never apply with relative humidity exceeding 80%.

AMBIENT CONDITIONS:

The paint should not be applied under conditions of excessive sunlight, strong winds, or if rain is forecast.

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SURFACE PREPARATION

UNPAINTED SURFACES:

Cement mortar:

- Elimination of efflorescence and alkalinity by treating with DILUTED ZINC SULPHATE.
- Apply one coat of fixer/primer to create a foundation of resin, allowing breathability, reducing absorption and facilitating the subsequent application of paint. (See possible application systems)

Concrete:

- Wait until completely set (min. 30 days).
- Removal of stripping substances
- Apply one coat of fixer/primer to create a foundation of resin, allowing breathability, reducing absorption and facilitating the subsequent application of paint. (See possible application systems)

Plaster/Cast plaster:

- Apply one coat of fixer/primer to create a foundation of resin, allowing breathability, reducing absorption and facilitating the subsequent application of paint. (See possible application systems)

Fibre cement:

- Eliminate high alkalinity and regulate absorption by applying a suitable fixer/primer (See possible application systems)

PRE-PAINTED SURFACES IN GOOD CONDITION:

Pre-painted surface in good condition:

- Regardless of the support to be repainted, its appearance must be homogenised; in other words, adjust the surfaces that are shiny to help to open the pores and foster adhesion. Check the adhesion and resistance of the paint. Correct any texture or planimetry differences that may exist with RHONA repair mortars. Test compatibility between coats.

PRE-PAINTED SURFACES IN POOR CONDITION:

Diseased:

- If the paint is old or badly adhered with defects such as chalking, blistering, peeling, cracking, etc., it must be completely removed and then apply a coat of transparent acrylic fixer. (see possible application systems)
- Surfaces with mould and algae: Removal and disinfection of mould or algae by vigorously rubbing the stain with a brush using household bleach or 10 volume hydrogen peroxide. It is finished with two finishing coats with anti-mould preservative for film protection.
- Surfaces with efflorescence: Scrub vigorously with a brush and subsequent chemical treatment with diluted ZINC SULPHATE and then apply two coats of finish.
- Surfaces with metal salts: These, coming from the slabs, are reddish or yellowish in colour; they must be covered with two coats of suitable anti-stain paint and then painted as normal.

Brittle:

- If the paint is old or badly adhered with defects such as chalking, blistering, peeling, cracking, etc., it must be completely removed and then apply a coat of transparent acrylic fixer. (see possible application systems)

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POSSIBLE APPLICATION SYSTEMS

Use a popcorn-effect spray gun or a trowel for normal application of Reviquarz NT 20. Prior to the top coat and depending on the wall apply primer suitable for the yield specified in each case.

PRIMERS:

- Fixacril Solvent-based acrylic fixer: Non-consolidated absorbent surfaces: Yield: Concrete: 15-20 m²/L. Cement mortars: 10-15 m²/L. Fibre cement: 10 - 15 m²/L. Plaster/Cast plaster: 5 - 15 m²/L. Painted surfaces: 15 - 20 m²/L. Coats: 1
- Fixenol Consolidating primer: indicated for fixing, consolidating and sealing mineral substrates (cement mortar, concrete, Catalan tile, etc.) Yield: Concrete: 15-20 m²/L. Cement mortars: 10-15 m²/L. Fibre cement: 10 - 15 m²/L. Plaster/Cast plaster: 5 - 15 m²/L. Painted surfaces: 15 - 20 m²/L. Coats: 1
- Fixenol Pigmented: non-homogeneous surfaces (various materials, areas with different colours, repairs, etc.), where FIXENOL PIGMENTED is to be applied in the desired colour, in order to regularise the colour, absorption and appearance of the surface. Yield: 8 - 15 m²/L. Coats: 1
- Isacrílico Sealing emulsion: consolidating primer for porous surfaces. Undiluted product yield: Concrete. 30-60 m²/L. Cement mortars: 15-20 m²/L. Fibre cement: 15 - 25 m²/L. Plaster/Cast plaster: 10 - 15 m²/L. Painted surfaces: 15 - 40 m²/L. Coats: 1
- Reviquarz Primer: non-homogeneous surfaces and as a primer for RHONATHERM systems. Yield: 6 - 8 m²/L. Coats: 2

FINISH REVIQUARZ NT-20:

- Yield: 3-4 kg/m²
- Coats: 1-2

SAFETY

Consult the current safety data sheet for safe handling (Section 8.2). Unsuitable for children. Keep out of the reach of children. Do not place painted surfaces into the mouth.

REMOVAL

Take the necessary measures to ensure waste is kept to an absolute minimum. Analyse all possible methods for reuse or recycling. Take the necessary measures to ensure waste is kept to an absolute minimum. Analyse all possible methods for reuse or recycling, in line with the local and national legislation in force. Take the necessary measures to ensure waste is kept to an absolute minimum. Analyse all possible methods for reuse or recycling. Do not pour down drains or into the environment. Dispose of the product at an authorised waste disposal site or through an authorised waste management company. Waste must be handled, stored and disposed of pursuant to current local- national legislation.

STORAGE

See storage conditions indicated in section 7.2 of the current safety data sheet. Store the containers away from high temperatures, direct exposure to the sun and frost. Maximum recommended storage time: 12 months from manufacture in fully sealed original container, indoors and at temperatures between 5° and 35° C.

LEGAL TEXT NOTE

This information and, in particular, the recommendations regarding the application and final use of the product, are given in good faith, based on the current knowledge and experience of Isaval Paints of the products when they are properly stored, handled and applied, in normal situations, within its useful life, according to the recommendations of Pinturas Isaval. In practice, the possible differences in the materials, supports and actual conditions at the place of application are such that it cannot be inferred from the information in this document, nor any other written recommendation, neither any advice offered, will insure the guarantee in terms of marketing or suitability for particular purposes, neither any obligation outside of any legal relationship that may exist. The user of the products must carry out the tests to verify their suitability according to the use they want to give. Pinturas Isaval reserves the right to change the specifications of its products. The property rights of third parties must be respected. All orders are accepted according to the terms of our current General Conditions of Sale and Supply. Users should know and use the latest and updated version of the local Product Data Sheets, a copy of which will be sent to whoever requests them, or can also be obtained on the page www.isaval.es. All data in this document are based on laboratory tests conducted at 20°C and 1 atm pressure. Measurements taken "on-site" may vary due to circumstances beyond our control, such as changes in environmental conditions of pressure and temperature.