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Hidroquarz

SMOOTH QUARTZ MASONRY COVERING



SERIES 490

HIDROQUARZ - V.2024-09-24

DESCRIPTION

HIDROQUARZ is a masonry covering with a base of acrylic resins and siliceous extenders, featuring properties of good filling and hiding power on the surface. It features excellent outdoor resistance and resistance against pollutants and, thanks to its acrylic binder, it is able to withstand the aggressiveness characteristic of cement-based surfaces.

INSTRUCTIONS FOR USE

May be applied on:

- New and old plasters based on hydraulic binders.
- Concrete surfaces.
- Old paints and wall coatings that are organic or mineral in nature, dry, compact, absorbent and cohesive.
- Mineral conglomerates of various kinds, as long as they are absorbent.

Surfaces should be adequately prepared by following the instructions given in the paragraph 'PREPARING THE SURFACE'.
Do not apply on freshly painted surfaces.

TECHNICAL SPECIFICATIONS

- Type of Binder: acrylic copolymer in water-based emulsion
- Specific gravity per UNI EN ISO 2811-1: $1,70 \pm 0,05$ kg/l
- Viscosity per UNI 8902: 52000 ± 2400 cps at 25 °C (Brookfield viscometer)
- Maximum quartz granulometry: 0.08 mm
- Wet-scrub resistance per UNI 10560: >5000 cycles, excellent
- Alkali resistance per UNI 10795: alkaliproof
- Drying time (at 25 °C and 65% R.H.): to touch in 30 min; to recoat after 4 hours.

PREPARING THE SURFACE

- Check the preservation status. The surface must be smooth. If not, resurface or consolidate using specific products.
- If mold is present, first treat the surface with COMBAT 222 cleanser 480222

and with COMBAT 333 reconstruction 4810333. To protect the masonry from the formation of mold, add the sanitizer COMBAT 111 code 4810111 to the product.

- Make sure that the surface is thoroughly dried and apply:
- Remove any efflorescence present by brushing or washing.
- If old paint is present, remove any peeling parts that are not completely adhered, while raised layers of lime-based or tempera paints must be completely removed by thoroughly wetting the surface and scraping, or using a high-pressure water jet machine.
- Remove any dust, smog or other deposits by brushing.

Plaster surfaces:

- Cracks must be adequately widened and filled with stucco or similar products.
- Level any irregularities in the surface. Treat any holes, cracks, crevices and gaps with BETOMARC 9450150, RASAMIX 9440160, or RASOMARC 9500150 according to the type of support.
- Make sure that the support is completely dry and apply a coat of ISOMARC 4410111 solvent-based wall fixative, or micronized solvent-free fixative ATOMO 8840001. On compact surfaces, not chalking, apply water soluble covering fixative MARCOTHERM PRIMER 4740019.
- Apply HIDROQUARZ as described in the application instructions.

Concrete surfaces:

- Remove any crumbling structural cement.
- The metal reinforcement disks visible on the surface must be carefully brushed and treated with BETOXAN PRIMER 9490125 passivating agent.
- Restore the missing parts with the smoothing coats BETOXAN 400 or BETOXAN 300 Non-shrinking thixotropic fiber-reinforced mortar 9490140/130; perform the final smoothing with BETOXAN 200 Non-shrinking anti-carbonation smoothing coat 9490120.
- Make sure that the support is completely dry and apply a coat of ISOMARC 4410111 solvent-based wall fixative or micronized solvent-free fixative ATOMO 8840001. On compact surfaces, not chalking, apply water soluble covering fixative MARCOTHERM PRIMER 4740019.
- Apply HIDROQUARZ as described in the application instructions.

(The dilution of the fixative and amounts to be applied depend on the absorption of the support surface, and must be determined through preliminary tests on the specific support surface - See the relevant technical data sheet).

APPLICATION INSTRUCTIONS

- Air and support surface conditions:
Air temperature: Min. +8 °C / Max. +35 °C
Relative environmental humidity: <75%
Support surface temperature: Min. +5 °C / Max. +35 °C
Moisture level of the support surface: <10%
- Avoid applying when surface condensation is present, or in direct sunlight.
- To avoid compromising the optimal appearance and performance of the product, we recommend that it be applied only in the aforementioned climate conditions, and that the surfaces be protected from rain and damp for approximately 48 hours. This will allow the product to dry completely and ensure even polymerization, which takes place in approximately 10 days.
- Surfaces bathed by rainwater during the approximately 10 days, could show translucent vertical lines. Such an occurrence does not compromise the product's performance, and may be removed by high-pressure water cleansing or after subsequent rainfalls.

- Application on surfaces with salt efflorescence or subject to rising damp may interfere with the product's adherence to the support. It is therefore necessary to first reconstruct the masonry using dehumidifying plasters, then paint with the NEPTUNUS/SCUDOSIL siloxanic system.
- Tools: brush, wool roller.
- Nr coats: at least 2 coats of the product should be applied.
- It is advisable to apply the base coat by brush, and the second coat by roller.
- Thinning: with water. By brush at 25-30%; by roller at 5%.
- Application by means of airless spraying is not recommended owing to the abrasive action of the siliceous extenders in the product.
- Tools should be cleaned immediately after use using water.
- Indicative spreading rate: 2 - 2.5 sq m/kg in 2 coats for smooth finishes and 1.5 - 2 sq m/kg for slightly textured finishes based on smooth surfaces featuring average absorption. It is advisable to determine the actual spreading rate by carrying out a preliminary test on the specific surface.

TINTING

Colors are obtainable via the color matching system and using COLORADO series 548 colorants.
When using multiple batches it is recommended to remix the various products together to avoid slight differences in shading.
For outdoor tasks it is a good rule of thumb to always use material from the same batch, from corner to corner. For tasks where it is unavoidable to continue on a wall with a different batch, do not place the batches contiguously. For the transition point, use any interruptions in the continuity of the surface: moldings, corners, cables, etc.

STORAGE

Maximum temperature for storage stability: +30 °C
Minimum temperature for storage stability: +5 °C
The product should be preferably used within 2 years from date of manufacture when stored in original unopened containers and in appropriate temperature conditions.

SAFETY RULES

Limit value EU (Dir. 2004/42/EC)
Cat. A/c: coatings for exterior walls of mineral substrate (water-base): 40 g/l (2010)
The product contains max: 40 g/l VOC

Use the product according to current standards of hygiene and safety; after use do not litter containers, allow the residue to dry and treat them as special waste. For more information see the safety data sheet.

SPECIFICATION ITEM

Smooth quartz masonry covering.
Applications, on previously prepared surfaces, of HIDROQUARZ Quartz masonry covering series 490 - with a base of acrylic resins dispersed in water-based emulsion and selected quartz with maximum granulometry of 0.08 mm - with at least 2 coats, of a quantity determined by the absorption of the surface
Supply and application of the material €. per sq m.