

MARCOTHERM COMPACT

1.2 mm acrylic anti-mould anti-algae textured wall coating for external thermal insulation composite systems

series 469

DESCRIPTION

MARCOTHERM COMPACT is a trowel effect plastic wall coating creating a levelling finish on the surface.

The product enables a thick coating to be created, capable of providing outdoor resistance and protecting the surface against pollutants and - thanks to its acrylic binder - also capable of resisting against the alkaline aggressiveness characteristic of cement-based surfaces.

thanks to its special formulation, enriched with anti-mould additives, preserves treated surfaces against the formation of mould, algae and moss.

MARCOTHERM COMPACT can be used wherever the surface requires good filling and hiding power, without cracking and paint breaking away.

INSTRUCTIONS FOR USE

May be applied on:

- MARCOTHERM coat thermal system.
- 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 aqueous dispersion
- Pigments and extenders: quartz powder and marble granules
- Solvent: water
- Viscosity: pasty consistency
- Grain size: 1,2 mm
- CE marking per EN 15824
- Flame reaction per EN13501: Class B s1 d0
- Water permeability per UNI EN 1062-3: medium, $w < 0,5 \text{ kg/m}^2\text{h}^{0,5}$
- Water vapor permeability per UNI EN ISO 7783-2: high
- Mould and algae resistant per UNI EN 15457 and UNI EN 15458
- Drying (at 25°C and 65% R.H.): from 1 hour and 30' to 3 hours, depending on the thickness applied.

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. - 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 layer of solvent-based insulating wall bonding agent ISOMARC 4410111 or microemulsion bonding agent for outdoor use diluted with water ATOMO 8840001. On compact surfaces, not chalking, apply water soluble covering fixative MARCOTHERM PRIMER 4740019.

- Apply MARCOTHERM COMPACT 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 MARCOTHERM COMPACT as described in the application instructions.

Surfaces with MARCOTHERM coat thermal system.

- Make sure that the support has a maturation time that meets the manufacturers' specifications.

- Check the consistency of the smoothing coats; the surface must be smooth.

- Apply MARCOTHERM PRIMER 4740019 diluted with water according to the absorption of the surface.

- Apply MARCOTHERM COMPACT as described in the application instructions.

(The thinning of the sealer and the quantity to be applied depend on the level of absorption of the surface and should be determined by performing preliminary tests on the specific surface).

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

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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 siloxanic system.

- The protection of anti-mold and anti-algae finishes is of sacrificial nature: the efficacy and durability are strongly influenced by the severity of the environmental and climatic exposure, the building category, and the application system selected.

- Tools: plastic or steel trowel.

- Diluting: ready to use. The viscosity of the product can be adjusted by adding a maximum 1% of water.

- Mix the product before applying.

- Nr coats: 1. Spread the product evenly over the support surface with the plastic trowel and even it out before it begins to form a surface film.

- Clean tools with water immediately after use.

- Indicative covering capacity: 1,8 - 2 kg/m² on surfaces with average porosity. We recommend performing a field test on the specific support surface to determine yield.

TINTING

Colors are obtainable via the Marcromie color matching system.

Tinted coatings with a reflection index greater than 20 are recommended in the Marcotherm external thermal insulation composite system. This value is reported in the table at the beginning of the "esterni in tinta" colour guide.

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 storage temperature: +30° C

Minimum storage temperature: +5° C

Stability in the original unopened containers and with suitable temperature conditions: 2 years.

SAFETY RULES

Limit value EU (Dir. 2004/42/EC)

Cat . C: Coatings for exterior walls of mineral substrate (water-base): 75 g/l (2007) / 40 g/l (2010)

MARCOTHERM COMPACT Contains max: 40 g/l VOC

Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Keep out of the reach of children.

Do not empty into drains.

Wear suitable protective clothing and gloves.

If swallowed, seek medical advice immediately and show container or label.

The product must be transported, used and stored in accordance with the standards in force regarding hygiene and safety; let the residues dry out completely and treat them as special waste. Consult the safety sheet for additional information.

SPECIFICATION ITEM

Acrylic coating with 'intonachino' effect.

Applications, on pre-primed surfaces, of MARCOTHERM COMPACT series 469, with a base of acrylic polymer in aqueous dispersion, silicates and marble granules with a grain size of 1.25 mm.

Supply and application of the material € per m².

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