

# Animamundi per Esterni

## Decorative coating for exteriors with metallic effect.

### DESCRIPTION OF THE PRODUCT

**Animamundi per Esterni** is an acrylic siloxane highly water repellent decorative coating with excellent permeability to steam. The anti-algae formulation helps to protect the appearance of the finishing from mould and algae.

**Animamundi per Esterni** innovatively re-interprets the idea of "leached concrete", on one hand presenting a product with a soft pearl-opaque look and, on the other hand, a strong textured effect.

**Animamundi per Esterni** is a decorative system made up from **R-stone Fondo** and **Animamundi per Esterni** as finishing.

### APPLICATIONS

Applicable on:

- New and old base hydraulic binder-based plaster.
- Concrete surfaces.
- Old paints and organic or mineral coatings, dry, compact, absorbent and cohesive.
- Various absorbent mineral conglomerates.
- ETICS surfaces (external thermal insulating composite systems)

**Not suitable for dehumidifying plasters.**

The surfaces must be suitably prepared following the methods in the '**SUBSTRATE PREPARATION**' paragraph.

### IDENTIFICATION FEATURES

Nature of the binder: acrylic copolymer with siloxane alteration in water emulsion.

Bulk density:

**Animamundi per Esterni**: 1.32 +/- 0.05 g/ml

Drying (at 25°C and 65% R.H.): to the touch in 30 min.; can be over-coated after 4 hours.

### PERFORMANCE CHARACTERISTICS

Liquid water permeability EN 1062-3: low,  $w < 0.1 \text{ kg/m}^2\text{h}^{0.5}$  - values detected as blank level

Water vapour permeability ISO 7783-2: high,  $S_d < 0.14 \text{ m}$  - values detected as blank level

Protective for facades on the basis of the Kuenzel theory DIN

18550:  $W < 0.5 \text{ kg/m}^2\text{h}^{0.5}$  and  $S_d < 2 \text{ metres}$

Resistant to mould and algae in compliance with EN 15457 and EN 15458.

The data measured refer to substrates prepared as in the "**ETICS Surfaces**" point.

### DILUTION

**Animamundi per Esterni**: ready for use.

**R-stone Fondo**: for application methods and technical information, see the relevant technical data sheet.

### WARNINGS

Mix the material thoroughly before tinting and before application. Do not apply on fresh/new and essentially alkaline substrates; wait for a maturation period generally lasting four weeks.

Application on concrete surfaces has a decorative function.

### PREPARATION OF THE SUBSTRATE AND APPLICATION

(Reference environmental conditions  $T=25^\circ\text{C}$ ,  $\text{RH}=60\%$ )

#### Plaster surfaces:

The surface must be clean and dry, cohesive and compact and have no dust and mineral salt spots.

If necessary, restore or consolidate using specific products.

Treat the surface with appropriate products in the presence of mould.

Remove any salt bloom and any flaking old paint by brushing or washing. Completely eliminate any raised layers of paint. Remove tany dust, smog and other deposits by brushing.

The cracks must be suitably widened and filled with plaster or similar products.

Level out any substrate irregularities. Holes, cracks, crevices and dents can be treated with appropriate levelling agents, depending on the type of substrate.

Make sure that the substrate is completely dry and apply a layer of **Acricolor** (water-based acrylic pigmented primer) diluted, or, alternatively, apply a layer of diluted **Decofix** (micronized wall primer) using a brush and wait for the primer to dry.

For a slightly textured finish, apply a first layer of **R-stone Fondo** using a stainless steel spatula and smooth down.

After at least 8 hours, use a stainless steel spatula to apply a second layer of **R-stone Fondo**, working the surface depending on the aesthetic effect desired.

Use a stainless steel spatula to apply a layer of **Animamundi per Esterni**, to a dry surface and smooth down.

Pass over the surface again while it is still damp to eliminate any accumulations of material.

Wait for the substrate to dry completely and use a stainless steel spatula to apply a second layer of **Animamundi per Esterni** and smooth down.

Work the surface while it is still damp depending on the effect desired.

Drying time: approx. 24 hours depending on the type of substrate, its absorption and the environmental conditions.

#### Concrete surfaces:

The surface must be clean and dry, cohesive and compact and have no dust and mineral salt spots.

If necessary, restore or consolidate using specific products.

Treat the surface with appropriate products in the presence of mould.

Remove any salt bloom and any flaking old paint by brushing or washing. Completely eliminate any raised layers of paint. Remove the dust deposits, smog and other by brushing.

Remove the cement structural parts that are poorly adherent.

The reinforcement metal round bars that are visible on the surface must be brushed thoroughly and treated with passivating grout.

Restore any missing parts with suitable anti-contraction, thixotropic, fibre-reinforced mortar.

Perform final smoothing with an anti-contraction anti-carbonation levelling agent.

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Make sure that the substrate is thoroughly dry and use a brush to apply a layer of diluted **Decofix** (micronized wall primer) and wait for the primer to dry.

For a slightly textured finish, apply a first layer of **R-stone Fondo** using a stainless steel spatula and smooth down.

After 4 hours, use a stainless steel spatula to apply a second layer of **R-stone Fondo**, working the surface depending on the aesthetic effect desired.

After 8 hours, use a stainless steel spatula to apply a layer of **Animamundi per Esterni** and smooth down.

Pass over the surface again while it is still damp to eliminate any accumulations of material.

After 4 hours, use a stainless steel spatula to apply a second layer of **Animamundi per Esterni** and smooth down.

Work the surface while it is still damp depending on the effect desired.

Drying time: approx. 24 hours depending on the type of substrate, its absorption and on environmental conditions.

### **ETICS surfaces (external thermal insulating composite systems):**

**To limit excessive mechanical stress caused by overheating of the surface due to solar irradiation, it is advisable to use shades of colour with reflectance index (Y) over 20. The selection of shades present in the colour chart is suitable for application on ETICS systems.**

#### ***New surfaces:***

Make sure that the substrate has a curing time that meets the manufacturer's specifications.

Make sure that the substrate is completely dry and use a brush to apply a layer of **Acricolor** (water-based acrylic pigmented primer) diluted, or, alternatively, use a brush to apply a layer of diluted **Decofix** (micronized wall primer) and wait for it to dry.

Use a stainless steel spatula to spread a layer of a base coating suitable for ETICS surfaces, working the surface depending on the aesthetic effect desired.

After 8 hours, use a stainless steel spatula to apply a layer of **Animamundi per Esterni** and smooth down.

Pass over the surface again while it is still damp to eliminate any accumulations of material.

After 4 hours, use a stainless steel spatula to apply a second layer of **Animamundi per Esterni** and smooth down.

Work the surface while it is still damp depending on the effect desired.

Drying time: approx. 24 hours depending on the type of substrate, its absorption and on environmental conditions.

#### ***Renewal of existing surfaces:***

**Before covering an ETICS surface, it is good practice to check:**

- The adhesion of the insulating panels to the substrate.
- The presence of inconsistent parts in detachment phase or damaged; these must be removed.
- That the surface is smooth and not crumbling.
- There are no cracks on the surface between the various insulating panels.

- There is no algae or mould present, proceed with sanitization using specific products, if necessary.
- The surface is dry and free from condensate.

Use a brush to apply a layer of diluted **Decofix** (micronized wall primer).

Proceed with reinforced levelling using cement-based adhesive suitable for external insulation finishing system:

A smoothing agent is recommended with:

- maximum dimension of the aggregates: 0.75 mm
- adhesion to concrete/brickwork: > 0.25 MPa

Embed an alkali-resistant plaster mesh, with weight of approx. 150 gr/m<sup>2</sup> between the two levelled layers and wait for curing; see the manufacturer's technical data sheet.

Proceed with the application of **R-stone Fondo** depending on the aesthetic effect desired.

For a slightly textured finish, use a stainless steel spatula to apply a first layer of **R-stone Fondo** and smooth down.

After 4 hours, use a stainless steel spatula to apply a second layer of **R-stone Fondo**, working the surface depending on the aesthetic effect desired.

Eliminate any accumulations of material to obtain a compact surface.

After 8 hours, use a stainless steel spatula to apply a layer of **Animamundi per Esterni** and smooth down.

Pass over the surface again while it is still damp to eliminate any accumulations of material.

After 4 hours, use a stainless steel spatula to apply a second layer of **Animamundi per Esterni** and smooth down.

Work the surface while it is still damp depending on the effect desired.

Drying time: approx. 24 hours depending on the type of substrate, its absorption and on environmental conditions.

**(The dilutions of the isolating material and the amount to apply, depend on the absorption of the substrate and are determined with preliminary tests on the specific substrate. Consult the relative technical data sheet).**

**The protection of these anti-mould and anti-algae finishing coats is of a sacrificial nature: its effectiveness and duration over time are strongly affected by the severity of climatic exposure, type of construction and choice of application system.**

### **PRECAUTIONS**

The material must be protected from freezing and thermal shocks throughout the entire application process. Do not apply when air, substrate and product temperatures are below +5°C or above +35°C, or in direct sunlight, or on hot surfaces (even if already in the shade). Environment humidity must be < 75%; the humidity of the substrate must be < 10%.

It is recommended to finish the job using the same production batch. If different batches are used, we advise mixing the different batches together in order to avoid slight colour differences.

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For correct use of the materials mentioned, dilution and application, read the relative technical data sheet carefully. Correct use of personal protection equipment (PPE) is recommended during all preparation of the substrate, products and application of the same.

#### **CLEANING EQUIPMENT**

Clean with water immediately after use.

#### **COVERAGE**

**Animamundi per Esterni on R-stone Fondo:** 3-6 m<sup>2</sup>/l in the two layers, according to the finish of the substrate and its absorption. It is good practice to carry out a practical test on the substrate to determine real consumption.

#### **COLOURS**

Base Silver and "Animamundi per Esterni" colour card.

**The selection of shades presented in the colour chart is suitable for application on ETICS systems.**

#### **PACKAGING**

5 l packs

#### **STORAGE CONDITIONS AND SHELF LIFE**

This product must be used preferably within 2 years from its production date if kept in its original un-opened container and in conditions with suitable temperature.

#### **SAFETY INDICATIONS**

Directive 2004/42/EC:

Animamundi per Esterni (decorative effect paint)

EU limit value for Animamundi per Esterni (cat A/l): 200 g/l (2010).

Animamundi per Esterni contains max. 200 g/l VOC.

Harmful to aquatic organisms, may cause long-term negative effects in the aquatic environment / Keep out of the reach of children / Do not dispose of residues in drains / Wear suitable protective clothing and gloves / If swallowed, seek medical advice immediately and show container or label.

This product must be transported, used and stored in accordance with current legislation concerning health and safety; let residues dry out completely and treat them as special waste.

For further information, see the MSDS.

N.B. - COLORIFICIO NOVACOLOR guarantees that the information herein

is provided to the best of its experience and its technical and scientific knowledge; however, it cannot assume any liability for the results obtained using these products since the conditions of application are beyond its control. We recommend that you always check the suitability of the product to each specific use. This current edition supersedes all previous information sheets.