

#### FIELDS OF APPLICATION

EcoDomus EggShell is a two (2) coat finish paint for interior & exterior wall surfaces & trim. EcoDomus EggShell requires an approved primer coat for application on new drywall, masonry and wood surfaces. A non-acrylic paint product providing superior adhesion, with high resistance to mold growth without the need for biocide additives.

EcoDomus EggShell, as with all the Domus line mineral paints, is designed to be diluted with water, providing a paint applicator optimal ranges to adjust the paint's thickness and density as per job site application may require. For White Base colors, the recommended standard dilution is 25%, but paint may be adjusted from 20 – 30% according to type of coverage required. For Transparent Base colors, the recommended standard dilution is 10%, but may be diluted at 5% according to type of coverage required.

EcoDomus EggShell has a true eggshell sheen with a non-plastic luster. It is ideal for new surfaces, as well as repaints on existing interior & exterior surfaces, for applications on wood trim, cabinets and furniture. EcoDomus EggShell can be applied to brick, cementitious, and MGO boards, as well as to stucco when using an approved primer.

**Dilutions with water are suggested as general guidelines for application, but paint applicator may adjust dilutions as needed to meet best uses for ease of application, job site requirements and finishes.**

#### PRODUCT FEATURES

An 83% natural mineral product, with good permeability, breathable, absorbs CO<sub>2</sub>, provides good anchoring power with mineral surfaces by petrification (water glass); and will bond to the mineral content on the substrate. Provides protection against the formation of bacteria that forms mold. Product is considered an Eco-Sustainable product, ideal for commercial or residential use in homes, schools, hospitals, and chemical sensitive areas.

This paint product is an oil proof, washable eggshell finish that cannot be damaged by foods, greases, body oils, color crayons or washable colored markers. Cleaning does not essentially change the sheen of the paint. Paint touch-ups will be difficult and may require whole wall repaints.

Domus line mineral paints (potassium silicates) require an average 14 days to fully cure and will continue to micro-crystallize for 7 – 8 years. Care must be given for newly painted surfaces to minimize damages resulting from soiling, over zealous cleaning and tape masking.

EcoDomus EggShell is specifically designed to be tinted with natural earth oxide tints and 0% VOC colorants to increase aesthetic color values with minimal environmental impact and toxin-free indoor air quality. EcoDomus EggShell is category ECO which means Eco-Sustainable containing at least 75% natural raw materials, and the other 25% inert binders and non-toxic chemicals.

#### TYPE OF PRODUCT

Silicate coating according to DIN 18363, based on modified potassium silicate with 17% organic stabilizers and other proprietary chemicals.

#### SHEEN FINISH

Eggshell

#### COLOR

White/Transparent Base. Color tint up to 5% max with approved tints for white base, 20% max with approved tints for transparent base. Custom color tint matching is available.

#### TESTING & CERTIFICATIONS

EcoDomus EggShell has passed these tests and received these certifications:

[A+ rating for French VOC Test](#); [Cradle to Cradle \(C2C\) Certified Silver v3.1](#); [Health Product Declaration](#); and [CA1350 / California Department of Public Health \(CDPH\) Standard Method v1.1-201](#). For all up to date testing, [visit here](#).



#### LEED V4 CREDITS

EcoDomus EggShell contributes to credits for these categories for LEED v4:

- Building Product Disclosure And Optimization – Material Ingredients:** [C2C Silver v3.1 & HPD](#)
- Low Emitting Materials:** [Passed CA1350](#)
- Indoor Air Quality:** [TVOC Tests](#)



DATE REVISION : 06-21-2016

#### TECHNICAL DATA

CRITERIA	INT. STANDARD	VALUE	UNIT
VOC (including tint pigments)	2004/42/CE max. Value 30g/l DIN EN ISO 11890-1/2	0.00	g/l
Water Absorption Coefficient	EN 1062-3 – DIN 52617	0.08	kg/(m <sup>2</sup> •√h)
Vapor Permeability	DIN 53122 EN 7783-2 EN 1062-1 EN 10795	<95 Sd 0.53 Class II Medium Medium	g/m <sup>2</sup> (24 h)
Chalking Resistance	ASTM-D-659	800	UV Hour Condensation
Damp Abrasion Resistance (Gardner Cycles)	EN 10795 – ISO 11998	Ideal	Class I >5000
Surface Retention Smog/Dirt	EN 10795	Very Low	≤ 3
Drying Time at Low Temperature	UNI 10793	> 5	°C
Application on Damp Cement NHL 3.5/5.0	UNI EN 13300	Ideal	
Potassium Silicate Opaque Paint for Interior Use	DIN 18363 Paragraph 2.4.1	–	–
Application Quality	UNI 10794	Good	–
Hide and Cover Capacity	ISO 6504-3 M.U. 1631 (RC 100 μm Humid)	Class 2	< 96 – < 98
pH Value	DIN 19266	8.8 w / 10.8 t	–
Natural Resistance to Mold	DIN 19266	–	–
Alkaline Resistance	UNI 10795	Excellent	–
Specific Gravity (23°C)	EN ISO 2811-2	1.48	g/ml
Granulation	DIN 19643 – EN 21524	0.0 – 0.01	mm
Gloss Level	UNI EN ISO 2813	< 10	Eggshell
Reaction to Fire	EN 13501-1:2002	A 1	Incombustible
Toxicity	EN 13501-1:2002	Non-Toxic	–
ECOLABEL	CEE 88/379	3 – 4 – 7 – 8	Criteria ECO-LABEL
ECOLABEL	APEO FREE Exempt of Butyl Phthalate (DBP) Dioctyl Phthalate (DOP), 2-Ethylhexyl Phthalate (DOP)	–	–
APEO (Alkyl Phenol Ethoxylates)	–	0%	–
PEG (Polyethylene Glycol)	–	0%	–
PG (Propylene Glycol)	–	0%	–
Formaldehyde	–	0%	–
Biocides	–	0%	–

Does not contain chemicals that can aggravate or cause asthma, see NIH Asthma Report 2012.

## GENERAL APPLICATION INSTRUCTIONS

(For detailed dilutions and instructions for specific type of surfaces including new and painted drywall/wood, please see APPLICATION CYCLES ON DIFFERENT TYPES OF SURFACES.)

### WHITE BASE

#### BRUSH AND ROLLER APPLICATIONS

**PRIMER COAT / INTERIOR:** Apply 1 coat of EcoDomus Matte as a primer when applying on new, unpainted drywall, plaster and wood. Dilute EcoDomus Matte with 20 – 25% water, or 3 – 3.75 liters of water per one (1) 15 liter bucket. EcoDomus Matte can be brushed, rolled or sprayed onto all types of new drywall and any type of trim, painted or unpainted. Allow primer to dry for 4 – 8 hours before applying EcoDomus EggShell.

For surfaces pre-painted with semi-gloss or gloss surfaces, BioGrip Micro is a required primer (see details below in PAINTED DRYWALL – APPLICATION CYCLES ON DIFFERENT TYPES OF SURFACE).

**PRIMER COAT / EXTERIOR:** For unpainted and painted surfaces always apply one (1) coat of BioGrip Micro primer, diluted with 30% water, or 4.5 liters of water per one (1) 15 liter bucket. BioGrip Micro can be brushed, rolled or sprayed with an approved sprayer for fine aggregate. Allow primer to dry for 8 – 12 hours before applying EcoDomus EggShell.

**1ST COAT:** Dilute EcoDomus EggShell with 20 – 25% water, or 3 – 3.75 liters of water per one (1) 15 liter bucket. Apply paint in an even and constant pattern, so that a perfect coverage is achieved. Allow 4 – 8 hours to dry before proceeding with a 2nd coat.

**2ND COAT:** Dilute EcoDomus EggShell with 20 – 25% water, or 3 – 3.75 liters of water per one (1) 15 liter bucket. Apply paint in an even and constant pattern, so that a perfect coverage is achieved.

Dilutions with water are suggested as general guidelines for application, but paint applicator may adjust dilutions as needed to meet best uses for ease of application, job site requirements and finishes.

### PAINT SPRAYERS

Follow instructions above for White Base BRUSH AND ROLLER APPLICATIONS for dilution rates for 1ST COAT/PRIMER COAT. Make sure to apply enough paint to fully cover the surfaces to be painted. Allow 1st coat to dry for at least 1 – 2 hours before applying 2nd coat. Application of final coat using a sprayer without the use of back rolling may provide the most attractive finish, but it can make repaints or repairs in the future difficult because sprayers generally cannot be used in inhabited spaces. Thus, back rolling on all walls is recommended for future repaints. Back rolling should occur immediately after wall area has been sprayed. Do not try to back roll if sprayed paint has dried on the wall.

### TRANSPARENT BASE

#### BRUSH AND ROLLER APPLICATIONS

**PRIMER COAT / INTERIOR:** For unpainted surfaces, apply 1 coat of EcoDomus Matte as a primer, diluted with 20 – 25% water, or 3 – 3.75 liters of water per one (1) 15 liter bucket. EcoDomus Matte can be sprayed onto all types of new drywall and any type of unpainted trim. Allow primer to dry for 4 – 8 hours before applying EcoDomus EggShell.

For surfaces pre-painted with eggshell, satin, semi-gloss or gloss surfaces, BioGrip Micro is a required primer (see details below in PAINTED DRYWALL – APPLICATION CYCLES ON DIFFERENT TYPES OF SURFACE).

**PRIMER COAT / EXTERIOR:** For unpainted and painted surfaces always apply 1 coat of BioGrip Micro as a primer, diluted with 30% water, or 4.5 liters of water per one (1) 15 liter bucket. EcoDomus Matte can be brushed, rolled or sprayed with an approved sprayer for fine aggregate.

**1ST COAT:** Dilute EcoDomus EggShell with 5 – 10% water, or 0.75 – 1.5 liters of water per one (1) 15 liter bucket of and apply to prepared base coat. Do not attempt to cover walls or surfaces with one (1)-coat, as product may appear semitransparent on 1st coat. Over spraying will result in excessive waste of product. Allow to dry for at least 4 hours before applying 2nd coat.

**2ND COAT:** Dilute EcoDomus EggShell with 5 – 10% water, or 0.75 – 1.5 liters of water per one (1) 15 liter bucket and apply with a sprayer if applicator chooses not to use a paint roller cover for the 2nd coat. Touch-ups with any type of sheen type

paint such as eggshell and satin are very difficult. Application of final coat using a sprayer without the use of back rolling provides the most attractive finish, but this makes repaints or repairs in the future difficult with rollers or brushes as sprayers generally cannot be used in inhabited spaces. Thus, back rolling on all walls may be obligatory for future repaints. Back rolling should occur immediately after wall area has been sprayed. Do not try to back roll if sprayed paint has dried on the wall.

### PAINT SPRAYERS

Follow instructions above for Transparent Base BRUSH AND ROLLER APPLICATIONS for dilution rates for 1ST COAT/PRIMER COAT. Make sure to apply enough paint to fully cover the surfaces to be painted. Allow 1st coat to dry for at least 1 – 2 hours before applying 2nd coat. Application of final coat using a sprayer without the use of back rolling may provide the most attractive finish, but it can make repaints or repairs in the future difficult because sprayers generally cannot be used in inhabited spaces. Thus, back rolling on all walls is recommended for future repaints. Back rolling should occur immediately after wall area has been sprayed. Do not try to back roll if sprayed paint has dried on the wall.

**SPRAY TIP USAGE:** EcoDomus EggShell can easily be applied using an airless sprayer. Apply paint product with a #0.019 – 0.021 inch (0.48 – 0.53 mm) size spray tip. Always use new spray tips for starting a paint job for best results. This will also conserve the amount of paint necessary to complete the job.

**GRAIN SIZE:** 0.01 mm

### MIXING PAINT & WATER

ROMABIO Domus Mineral Paint formulas are concentrated and require water to be added to them for proper use. This concentrated formula means more coverage in each bucket, decreasing the cost for transport, and reducing our carbon footprint. We do not have to add toxic preservatives or anti-microbial to increase shelf life like most acrylic paint products. Mix paint and water with an electric drill, paint paddle, or mix well by hand! If water is sitting on the top of your mixture, the paint is not properly mixed!

### TOOLS

Apply with brush, roller or with an appropriate sprayer and sprayer tip. New sprayer tips should be used to prevent product waste and provide for a more perfect finish.

### TOOL CLEANING

Brush, roller, rags, or sponges should be cleaned immediately after use with water and a mild detergent or dish soap.

### DRYING TIME

Allow a drying time between coats of at least 4 – 8 hours with a maximum of 2 coats EcoDomus EggShell. With lower temperature and humidity more time may be needed. Allow at least 24 hours drying time before attempting washing or applying additional products or other finishes. Complete curing occurs within 14 days, and with silicification, hardness will increase to approximate full strength in three (3)-months.

### CONSUMPTION / COVERAGE

Approximately 2,550 – 2,700 ft<sup>2</sup> / 237 – 250 m<sup>2</sup> per 15 liters bucket diluted according to instructions for a one (1) coat application. Determine exact consumption by performing a test on the surface to be treated.

### PACKAGING

Plastic buckets of 1, 2.5, 5 and 15 liters.

## APPLICATION CYCLES ON DIFFERENT TYPES OF SURFACES

Make sure base is solid, dry and well cleaned, prepared with skill. It is recommended to observe the rule VOB DIN 18363, Part C, paragraph 3.

### NEW DRYWALL

**PRIMER / WHITE BASE:** For White Base colors of EcoDomus EggShell, it is recommended to use EcoDomus Matte as the base/1st coat primer. EcoDomus Matte is an excellent primer and consolidator for new grey-board, blue-board, and green-board drywalls. Drywall surfaces should be carefully sanded prior to



application of EcoDomus Matte. This product permits minimum drywall joint compound repairs and backsanding without peeling. EcoDomus Matte is a very strong and durable paint, and once dry is not easily sandable. Drywall repairs should be carefully primed with EcoDomus Matte prior to application of 1st and 2nd coat of EcoDomus EggShell. Apply one (1) coat of EcoDomus Matte as a primer, diluted with 20 – 25% water, or 3 – 3.75 liters of water per one (1) 15 liter bucket and allow to dry for 4 – 8 hours.

**PRIMER / TRANSPARENT BASE:** Apply 1 coat of EcoDomus Matte as a primer, diluted with 20 – 25% water, or 3 – 3.75 liters of water per one (1) 15 liter bucket as indicated in GENERAL APPLICATION INSTRUCTIONS.

**1ST & 2ND COATS FOR WHITE AND TRANSPARENT BASE:** Apply EcoDomus EggShell as indicated in GENERAL APPLICATION INSTRUCTIONS.

## PAINTED DRYWALL

**PRIMER:** For walls that have been painted with semi-gloss or high gloss paints, oil or latex, BioGrip Micro primer should be applied prior to application of EcoDomus EggShell. Properly prep wall surfaces by lightly sanding. Apply one (1) coat of BioGrip Micro primer diluted 30% with water, or 4.5 liters per one (1) 15 liter bucket and allow to dry for 8 – 12 hours. BioGrip primers may be tinted from light to medium colors. Use an approved sprayer for fine aggregate when spraying BioGrip Micro primer. Always test adherence to painted surfaces before proceeding with application of finish coats.

For walls that have been pre-painted with flat, matte, eggshell & satin finishes, EcoDomus EggShell White Base colors can be applied directly to surfaces without BioGrip Micro as a primer.

When applying Transparent Base, only walls pre-painted with flat or matte can be painted, otherwise apply one (1) coat of BioGrip Micro primer. Always test adherence to painted surfaces before proceeding with application of finish coats. Follow instructions above for BRUSH AND ROLLER APPLICATIONS for dilution rates for 1ST COAT / PRIMER COAT. Make sure to apply enough paint to fully cover the surfaces to be painted.

**1ST & 2ND COATS / WHITE BASE:** Apply two (2) coats of EcoDomus EggShell White Base according to GENERAL APPLICATION INSTRUCTIONS.

**1ST & 2ND COATS / TRANSPARENT BASE:** Apply two (2) coats of EcoDomus EggShell Transparent Base according to GENERAL APPLICATION INSTRUCTIONS.

For high traffic commercial areas to maximize durability and increase adherence and washability, it is suggested to apply one (1) coat of BioGrip Micro followed by two (2) coats of EcoDomus EggShell for all base types and colors. This primer enhances performance for maximum longevity but it is not required.

## UNPAINTED WOOD

**INTERIOR / EXTERIOR:** Sand all wood surfaces as required to provide a smooth surface and lightly wipe wood surfaces with a damp cloth or tack cloth to remove all traces of dust. Fill all nail and screw holes with non-oil type putty or wood filler. Apply water based caulk as needed to fill all voids and cracks. Caulked areas may need at least 12 hours to properly dry.

### INTERIOR:

**PRIMER COAT – WHITE BASE:** For White Base colors, apply one (1) coat of EcoDomus Matte as a primer, diluted with 20 – 25% water, or 3 – 3.75 liters of water per one (1) 15 liter bucket and allow to dry for at least 4 hours.

When using EcoDomus Matte White Base as a primer, it is suggested only for wood products that do not contain high natural resin content. However, for wood products that do contain high natural resin content such as #2 white pine, yellow pine, heart of pine, and spruce, they require BioGrip Micro as a primer before application of the finish coats. The surface to be painted must be tested prior to application of paint, or contact a manufacturer consultant. Always test adherence to any type of wood product prior to full commitment of finish coats.

**PRIMER COAT – TRANSPARENT BASE:** For Transparent Base colors, always apply one (1) coat of BioGrip Micro primer, tinted if necessary\*, diluted 30% with water, and allow to dry for 8 – 12 hours.

**1ST & 2ND COATS / WHITE BASE:** Apply two (2) coats of EcoDomus EggShell White Base according to GENERAL APPLICATION INSTRUCTIONS.

**1ST & 2ND COATS / TRANSPARENT BASE:** Apply two (2) coats of EcoDomus EggShell Transparent Base according to GENERAL APPLICATION INSTRUCTIONS.



When painting on wood it is suggested to adjust dilutions with water as necessary to achieve maximum effect for smoothness and coverage desired. Typical dilutions may be up or down by 5% as a rule.

### EXTERIOR:

**PRIMER COAT – WHITE AND TRANSPARENT BASE:** Apply one (1) coat of BioGrip Micro primer, tinted if necessary\*, with brush, roller or approved sprayer for fine aggregate, diluted 30% with water, or 4.5 liters per one (1) 15 liter bucket and allow to dry for at least 8 – 12 hours.

**1ST & 2ND COATS FOR WHITE AND TRANSPARENT BASE:** Apply EcoDomus EggShell as indicated in GENERAL APPLICATION INSTRUCTIONS.

## PAINTED WOOD

**INTERIOR / EXTERIOR:** Fill all nail and screw holes with non-oil type putty or wood filler. Apply water based caulk as needed to fill all voids and cracks. Paint all caulked areas as needed and allow to dry for at least 12 hours. Remove all dust from area to be painted. Lightly wipe wood surfaces with a damp cloth or tack cloth to remove all traces of dust. Spot prime any unpainted repairs, wood filler, caulk and prime according to instructions below.

**PRIMER / INTERIOR:** For wood that has been painted with satin, semi-gloss or high gloss paints, oil or latex, BioGrip Micro primer should be applied prior to application of any colors of EcoDomus EggShell. Properly prep high sheen painted surfaces by lightly sanding. Apply one (1) coat of BioGrip Micro primer diluted 30% with water, and allow to dry for 8 – 12 hours.

**WHITE BASE:** For wood that has been painted with flat, matte or eggshell finishes EcoDomus EggShell can be applied directly to these types of surfaces as per GENERAL APPLICATION INSTRUCTIONS.

**TRANSPARENT BASE:** When using Transparent Base, BioGrip Micro primer is recommended as a primer coat. Apply BioGrip Micro primer as per GENERAL APPLICATION INSTRUCTIONS.

**PRIMER / EXTERIOR – WHITE & TRANSPARENT BASE:** For exterior applications always apply one (1) coat of BioGrip Micro primer, tinted if necessary\*, diluted 30% with water, and allow to dry for 8 – 12 hours. This applies to any exposed wood as well as any and all painted surfaces.

**1ST & 2ND COATS FOR WHITE AND TRANSPARENT BASE:** Apply EcoDomus EggShell as indicated in GENERAL APPLICATION INSTRUCTIONS.

When painting on wood it is suggested to adjust dilutions with water as necessary to achieve maximum effect for smoothness and coverage desired. Typical dilutions may be up or down by 5% as a rule.

## CAULKS

EcoDomus EggShell will adhere to most non solvent-based caulks, acrylic caulks, and some silicone water-based caulks. Always test product for adhesion verification prior to painting any surface. Silicone based caulks cannot be painted with any type of paint.

## CEMENTITIOUS BOARD | MGO

**INTERIOR / EXTERIOR:** Guidelines for primed and unprimed cementitious or MGO boards.

**PRE-PRIMER COAT:** For unprimed cementitious and MGO boards, apply one (1) coat of EcoForte Consolidator or Potassium Silicate Concentrate diluted 100% with water, or 10 liters per one (1) 10 liter bucket. Apply with brush, roller or sprayer and allow to dry for 8 – 12 hours.

**PRIMER COAT:** For factory primed cementitious and MGO boards apply one (1) coat of BioGrip Micro as a primer, tinted if necessary\*, with brush, roller or approved sprayer for fine aggregate, diluted 30%, tinted if desired, and allow to dry for 8 – 12 hours.

**1ST & 2ND COATS FOR WHITE AND TRANSPARENT BASE:** Apply EcoDomus EggShell as indicated in GENERAL APPLICATION INSTRUCTIONS.

## SLAKED LIME PLASTERS & STUCCOS / LIME PAINTS

**INTERIOR / EXTERIOR:** EcoDomus EggShell cannot be applied directly to slaked lime plasters and stuccos like BioCement GF and/or BioMarmorino Satin.

**PRE-PRIMER COAT:** For Lime Paints such as BioCalce Classico, BioCalce A, it is required to apply one (1) coat of EcoForte Consolidator with brush, roller or sprayer diluted 100% with water (1:1), or 10 liters of water per one (1) 10 liter bucket as a pre-primer, and allow to dry for at least 8 – 12 hours.

**PRIMER COAT:** Apply one (1) coat of BioGrip Micro as a primer, tinted if necessary\*, with brush, roller or approved sprayer for fine aggregate, diluted 30% with water, or 4.5 liters per one (1) 15 liter bucket and allow to dry for at least 8 – 12 hours.

**1ST & 2ND COATS FOR WHITE AND TRANSPARENT BASE:** Apply EcoDomus EggShell as indicated in GENERAL APPLICATION INSTRUCTIONS.

## NEW CEMENT STUCCOS

**INTERIOR / EXTERIOR:** New portland cement stucco should not be painted for about 21 – 28 days to ensure proper curing, anchoring and drying. It is highly recommended to not paint new cement stuccos with EcoDomus EggShell, only with BioDomus I or II.

**PRE-PRIMER COAT:** Apply one (1) coat of Potassium Silicate Concentrate or EcoForte Consolidator with brush, roller or sprayer diluted 100% with water (1:1), or 10 liters of water per one (1) 10 liter bucket as a pre-primer, and allow to dry for at least 8 – 12 hours.

**PRIMER COAT:** Apply one (1) coat of BioGrip Micro primer, tinted if necessary\*, with brush, roller or approved sprayer for fine aggregate, diluted 30% with water, or 4.5 liters per one (1) 15 liter bucket and allow to dry for at least 8 – 12 hours.

**1ST & 2ND COATS FOR WHITE AND TRANSPARENT BASE:** Apply EcoDomus EggShell as indicated in GENERAL APPLICATION INSTRUCTIONS.

## CAUTION!

New portland cement stuccos should be tested for pH using Phenolphthalein, also sold as an "alkalinity test kit". This product should be spot tested on all new portland cement stucco prior to the application of any type of finish, paint or stucco product. Concrete has a naturally high pH due to the calcium hydroxide formed when portland cement reacts with water. As the concrete reacts with carbon dioxide in the atmosphere, pH decreases to 8.5 – 10.5. When a 1% phenolphthalein solution is applied to uncured concrete, it turns bright pink/purple; if it remains colorless, it shows that the concrete has undergone correct surface carbonation. When the test indicates bright pink or purple, this indicates that no paint or plaster product of any type should be applied to the concrete until surface carbonation has been completed, which usually occurs after 21 – 28 days after final installation.

## DECAYING OR CRUMBLING STUCCOS OR POWDERY SURFACES

**INTERIOR / EXTERIOR:** Chalking surfaces, which could prevent the proper anchoring of the base coating must have damaged and chalky portions be removed by pressure washing and scraping. If pressure washing is not an option for interior surfaces, scrub affected areas with a stiff brush and white vinegar or muriatic acid (1 part muriatic acid and 6 – 7 parts water), and after 3 -5 minutes rinse several times with a large sponge and clean water.

**PRE-PRIMER COATS:** For unpainted stuccos apply Potassium Silicate Concentrate diluted 100% with water (1:1) on all damaged surfaces, or 10 liters of water to one (1) 10 liter bucket, applying wet on wet, applying 2 – 3 coats in rapid succession, until substrate has arrived at full absorption, and allow to dry for at least 2 – 3 days. For older, non-acrylic painted stuccos or painted stuccos with a flat, absorbent acrylic paint, apply one (1) coat EcoForte Consolidator diluted 100% with water, or 10 liters to one (1) 10 liter bucket, and allow to dry for at least 8 – 12 hours.

**PRIMER COAT:** Apply one (1) coat of BioGrip Micro, as a primer tinted if necessary\* with brush, roller or approved sprayer for fine aggregate, diluted 30% with water, or 4.5 liters per one (1) 15 liter bucket, and allow to dry for at least 8 – 12 hours.

**1ST & 2ND COATS FOR WHITE AND TRANSPARENT BASE:** Apply EcoDomus EggShell as indicated in GENERAL APPLICATION INSTRUCTIONS.

## COATINGS WITH EFFLORESCENCE

**INTERIOR / EXTERIOR:** Cement surfaces showing efflorescence should be aggressively cleaned with a high pressure washer or a stiff brush, and then the efflorescence should be treated using a diluted muriatic acid, 1 part muriatic acid and 6 – 7 parts water, and allow to react for 3 – 5 minutes. Thoroughly rinse treated areas with water.

**PRE-PRIMER COATS:** For unpainted stuccos apply Potassium Silicate Concentrate diluted 100% with water (1:1) on all damaged surfaces, or 10 liters of water

to one (1) 10 liter bucket, applying wet on wet, applying 2 – 3 coats in rapid succession, until substrate has arrived at full absorption, and allow to dry for at least 2 – 3 days. For older, non-acrylic painted stuccos or painted stuccos with a flat, absorbent acrylic paint, apply one (1) coat EcoForte Consolidator diluted 100% with water, or 10 liters to one (1) 10 liter bucket, and allow to dry for at least 8 – 12 hours.

**PRIMER COAT:** Apply one (1) coat of BioGrip Micro, tinted if necessary\*, with brush, roller or approved sprayer for fine aggregate, diluted 30% with water, or 4.5 liters per one (1) 15 liter bucket, and allow to dry for at least 8 – 12 hours.

**1ST & 2ND COATS FOR WHITE AND TRANSPARENT BASE:** Apply EcoDomus EggShell as indicated in GENERAL APPLICATION INSTRUCTIONS.

## AGED CEMENT STUCCOS

**INTERIOR / EXTERIOR:** Dirty and/or contaminated surfaces should be treated as a priority prior to any interventions of replacing or repairing stucco. All surfaces should be cleaned and any attached algae removed manually or by mechanical means, i.e., with a high-pressure washer. Stucco damaged by algae or mold should be treated with EcoDis after pressure washing. These instructions are based on unpainted portland based type cement stuccos.

**PRE-PRIMER COAT :** When new stucco repairs are performed on older (non-painted) cement stuccos, complete all removal of damaged stucco, rinse surfaces of dust, and apply EcoForte Consolidator to older surfaces prior to applying new cement stucco or make repairs. Pre-prime existing surfaces applying one (1) coat of EcoForte Consolidator diluted 100% with water, or 10 liters to one (1) 10 liter bucket, and allow to dry for at least 8 – 12 hours.

**PRE-PRIMER COAT / REPAIRS:** Allow new cement repairs to fully dry and cure according to instructions indicated under section; NEW CEMENT STUCCOS. Apply EcoForte Consolidator diluted as indicated onto any new stucco repairs and allow to dry for at least 8 – 12 hours.

**PRIMER COAT:** Apply one (1) coat of BioGrip Micro primer, tinted if necessary\*, with brush, roller or approved sprayer for fine aggregate, diluted 30% with water, or 4.5 liters per one (1) 15 liter bucket and allow to dry for at least 8 – 12 hours.

**1ST & 2ND COATS FOR WHITE AND TRANSPARENT BASE:** Apply EcoDomus EggShell as indicated in GENERAL APPLICATION INSTRUCTIONS.

## STUCCO REPAIRS

See AGED CEMENT STUCCOS above.

## BRICK

**INTERIOR / EXTERIOR:** All surfaces should be cleaned and any attached algae removed manually or by mechanical means, i.e., with a stiff brush or a high-pressure washer. Brick affected by algae or mold should be treated with EcoDis after cleaning or pressure washing.

**PRE-PRIMER COATS:** None required for unpainted, integral high fired brick. For low fire bricks or spalled brick, follow directions as described in the TDS BioGrip Micro or Medium, APPLICATIONS CYCLES ON DIFFERENT TYPES OF SURFACES / BRICK.

**PRIMER COAT:** Apply one (1) coat of BioGrip Micro primer, tinted if necessary\*, with brush, roller or approved sprayer for fine aggregate, diluted 30% with water, or 4.5 liters per one (1) 15 liter bucket and allow to dry for at least 8 – 12 hours.

**1ST & 2ND COATS FOR WHITE AND TRANSPARENT BASE:** Apply EcoDomus EggShell as indicated in GENERAL APPLICATION INSTRUCTIONS.

## STORAGE

Store in a cool, dry place, protected from frost. Close the open containers with care. Store liquids only in plastic. Transfer unused paint into smaller containers to create a full bucket, reducing exposure to air. For best results turn bucket upside-down to prevent air leaking into container.

## WARNING!

**Do not apply any products in direct exposure to strong/hot sunlight, rain, mist, high humidity (> 80%), at dew-point formation, or in the presence of strong wind. Beware of the danger of frost overnight. If applied by roller or sprayer, protect surrounding surfaces as necessary. Protect eyes and skin from splashes of paint. Cover glass, ceramic, natural stone, brick, metal, wood, painted surfaces and glazed tiles. Clean affected areas immediately with water. Prominent elements lead dust. LEAD IS TOXIC. EXPOSURE TO LEAD DUST CAN CAUSE SERIOUS**





**ILLNESS, SUCH AS BRAIN DAMAGE, ESPECIALLY IN CHILDREN. PREGNANT WOMEN SHOULD ALSO AVOID EXPOSURE.** Wear a NIOSH-approved respirator to control lead exposure. Carefully clean up with a wet mop or HEPA vacuum. Before you start, find out how to protect yourself and your family by contacting the U.S. EPA/Lead Information Hotline at 1-800-424-LEAD (5323) or log on to [www.epa.gov/lead](http://www.epa.gov/lead).

Keep out of reach of children.

## PRODUCT LIMITATIONS

Only dilute the amount of paint material required to paint surface area as needed. Unopened, unused, and undiluted Domus Mineral Paints can be stored in their original container for an extended time period. Once the product has been removed from its container and is diluted, the diluted material cannot be stored for extended time periods without the risk of forming mold. Undiluted paint material can be stored as long as the remnant is repackaged and stored in a completely filled plastic container of product. For best results turn container upside down to help prevent air to enter into the bucket via the paint can lid causing spoilage or premature drying. After water has been added for dilution, ROMABIO cannot guarantee the shelf life of the product.

## WATER CONTAMINATION HAZARD

### CLASS 1

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all of information required by the CPR, and it is classified as a non-hazardous material.

## PRODUCT CONTAMINATION HAZARD

CODE CER / NORMATIVE EAC / Decision commuted by the Commission n. 2000/532/CE

## NOT DANGEROUS

The directive 75/442/CEE, 08 01 production, disposal, formulation, supply, use, and removal of paints and varnishes: 10 13 04 for removal of paints and varnishes; 10 13 04 disposal of lime and hydrated lime products.

## DISPOSAL

Do not enter product in its original concentration into drains or open waters. Do not store at public waste disposal sites. In case of conduction into adapted biological purification plants no disturbances need be expected. The preparation has been estimated by conventional method (calculated-procedure) of EG directive 1999/45/EG and is classified as non-hazardous for the environment.

Dispose according to local regulations. Empty cans should be disposed of according to local regulations; plastic buckets are 100% PP, no. 5, approved for food storage; 100% recyclable if cleaned thoroughly prior to recycling.

## ADDITIONAL INFORMATION

This Technical Sheet lists data collected on the basis of technique and experience. Given the multiplicity of use of the product they cannot be binding and the user can not refrain from using common sense and experience for the individual case. This information shall not constitute any legal obligation and no obligation from the seller or point of purchase, or any agreements inferred by employees who sale this product. Insurance or guarantees issued by our employees or employees should always be confirmed separately in writing. Any information about product adaptability and use of the product, must be verified by user prior to purchase. Check the exact consumption of product for the surface where product may be applied to determine amount of products needed. **The color matching must be verified by the user before starting work. No refunds or exchanges will be provided for tinted products after they have been consumed or applied.**

## MANUFACTURER

ZETACOLOR SRL, Via Pistoiese 323, 50010 San Angelo a Lecore, FI, Italia

*\*NOTE: For very bright colors not selected from the ROMABIO color palette, it is recommended that the primer is tinted 25 - 75% with the final formulation of the EcoDomus EggShell color to achieve maximum coverage.*

