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High Clay

TECHNICAL **CHART 122**

BIOPRIMER GRANULAR

Description of product

Granular primer (700 microns) based on clays, sands, and marble grits, enriched with potassium silicates and Biobase resins. The careful grain size selection is specially designed to prepare surfaces that need to improve their anchoring condition.
Suitable for application to multiple types of substrates, it ensures the setting and adhesion of clay finishing plasters. It also optimally regulates absorption, insulating and protecting the base coat from excess moisture.

Application field

Granular primer for indoor use.

Product characeristics

Application of BIOPRIMER GRANULAR provides ideal conditions to ensure solid adhesion of finishes, acting as an "adhesion bridge".
Suitable substrates for its application include concrete, smooth or porous paints, lime and gypsum plasters, gypsum or gypsum-fiber panels, old plasters including resin plasters.
BIOPRIMER GRANULAR is ready to use and should be distributed evenly, obtaining a uniform application on the surface. Its final appearance is particularly rough and slightly beige in color.

	Technical data
Name	Bioprimer Granular
Composition	Clays, marble sands and grits, potassium silicates, Biobase resins
Aspect	Thick liquid
Color	Beige
Dilution	Ready to use. Possible dilution to 5 - 20% with water
Quantity per layer	approx. 0,2 lt/m^2
PH	11
VOC Class	VOC 0 g/l, wall paint and subcategory "L" max.value UE2010 30g/l
Specific weight	1,4 kg/lt
Packaging	5 - 15 lt. containers
Storage	Store for at least one year in closed packages in a cool, dry place with temp. 5° ÷ 30°C. Close well the started packages.
Notice	Protect surfaces within 24 hours after application.

BIOPRIMER GRANULAR

Instructions for use

• The product should be applied in one coat with a short-haired roller or brush.
• Prepare the substrate by checking that the surface is clean and dry. If necessary, remove loose parts, remove traces of oil and grease, consolidate and fill any cracks or holes, and level any unevenness in the substrate. Treat very sandy substrates in advance with Bericalce's ECOBONDER PRIMER fixative.
Fresh plasters of gypsum, lime or cement should be at least 10 days old and dry. strongly alkaline substrates, such as fresh concrete surfaces with a sedimentary film, should always be neutralized.
• Mix the pure product thoroughly before use; water up to 5-20% can be added if necessary.
• Apply a generous coat of BIOPRIMER GRANULAR over the entire surface with a short-haired roller or brush.
• Check that the product is fully consolidated and has fulfilled its function.
• Proceed with subsequent product applications only after the insulation has dried completely, at least 24 hours apart. Drying depends on temperature and air humidity.
• Application temperature 5° - 30°C

Notes

The suitability of application of the entire stratigraphy, consisting of primer and plaster, should be verified on the basis of a sufficiently large sample.
This data sheet has been prepared by Bericalce technicians and the data provided constitute the technical and scientific indications tested at the in-house laboratory.
All responsibility, about the results obtained, lies solely with the method and conditions adopted for the application of the product.
These indications constitute valid support in verifying the suitability of the product for the specific case.

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TECHNICAL **CHART 123**

ECOBONDER PRIMER

Description of product
Sealer/impregnating agent baased on potassium silicates and bio-based resins in aqueous dispersion, with high penetration power.
Suitable for consolidating powdery substrates, prior to the application of primers and clay finishing plasters.

Application field
Indoor fixative (do not apply in areas in direct contact with water, such as walls and shower trays).

Product characeristics
ECOBONDER PRIMER is a potassium silicate compound, in aqueous dispersion, particularly suitable for consolidating crumbly and dusty substrates, promoting a perfect seal to subsequent coats of primers and finishes, while leaving the natural transpiration of the substrates unaltered.
Excellent for applications on concrete, plaster, brick, lime, plasterboard, cement, fiber cement and old water-based paints.

	Technical data
Name	Ecobonder Primer
Composition	Potassium silicates, Biobase resin, water, dispersion
Aspect	Liquid
Color	White
Dilution	Ready to use. Possible dilution 10 - 40% with water
Quantity per layer	approx. 0,17 lt/m^2 (diluted)
PH	11
VOC Class	VOC 0 g/l, wall paints and subcategories "L" EU limit value 2010 30g/l
Specific weight	1,1 kg/lt
Packaging	1 - 5 Lt containers
Storage	Store for at least one year in closed packages in a cool, dry place with temp. 5° ÷ 30°C. Close opened packages tightly
Notice	Protect until dry

ECOBONDER PRIMER

Instructions for use

• The product should be applied in 1 or more coats with a short-haired roller or brush (shake before use).
• Prepare the primer by checking that the surface is clean and dry. If necessary, remove loose parts, remove traces of oil and grease, consolidate and fill any cracks or holes, and level out any unevenness in the background.
• Mix the pure product thoroughly before use.
• Apply one or more coats according to absorption.
• Check that the fixative is fully consolidated and has fulfilled its function before proceeding with subsequent product applications. Drying depends on temperature and air humidity.
• Application temperature 5° - 30°C

Notes

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The product can be pigmented.

TECHNICAL **CHART 143**

CLAY WHITE PAINT

Description of product

White, matt paint based on selected natural clays and marble powders, with high covering power, suitable for white finishes or medium-light colored finishes.

Application field

Decorative paint for interior (not suitable for application in areas in contact with water).

Product characeristics

CLAY WHITE PAINT is a natural, clay-based white paint with high opacity, with excellent filling power and easy application.
Carefully selected raw materials give CLAY WHITE PAINT a very high ecological value and excellent quality.
The product can be customised using the colourants of the Bericalce tintometric system.

	Technical data
Name	Clay White Paint
Composition	Selected natural clays, marble powders, titanium dioxide, binders, in aqueous solution
Aspect	Dense paste
Color	White
Dilution	In water 15 - 20 %
Quantity per layer	approx. 0,15 lt/m^2
PH	11
VOC Class	VOC 0 g/l, wall paints and subcategories "L" EU limit value 2010 30g/l
Specific weight	1,4 Kg/l
Packaging	15 - 5 lt containers
Storage	Store in a dry place with temp. 5° ÷ 30°C. Close well the started packages.
Notice	Protect surfaces in the 24 hours after application.

CLAY WHITE PAINT

Instructions for use

• Application with brush, sponge, roller.
• Application of 1 or more coats, according to finishing needs.
• Base must be clean and dry; remove any loose or friable parts, as well as traces of oil or grease. Level any surface irregularities beforehand.
• It is recommended to apply CLAY WASH over completely dry decorative finishes.
• CLAY WASH is easily tintable, and can be diluted according to specific decorative requirements.
• It is important that the material has the correct consistency and dilution. Consumption and drying times may vary depending on temperature and substrate absorbency.
• Application temperature: 5°C – 30°C.

Notes

As the product is natural, slight color differences between production batches cannot be ruled out.
The suitability of application of the entire stratigraphy, consisting of primer and plaster, should be verified on the basis of a sufficiently large sample.
This data sheet was prepared by Bericalce technicians and the data provided constitute the technical and scientific indications tested at the in-house laboratory.
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The product can be pigmented.

TECHNICAL **CHART 142**

CLAY WASH

Description of product
Semi-transparent decorative glaze based on selected natural clays and marble powders, in an aqueous solution, designed to create harmonious finishes for interior decoration.

Application field
Decorative matte-effect veiling finish for interior use (not suitable for application in areas in contact with water).

Product characeristics
CLAY WASH is a breathable matte veiling with a natural character, ideal for creating high-quality decorative effects, such as refined shading with an antique appearance.
Carefully selected raw materials give CLAY WASH a very high ecological value and excellent quality.
The product can be customised using the colourants of the Bericalce tintometric system.

	Technical data
Name	Clay Wash
Composition	Select natural clays, marble powders, binders, in aqueous solution
Aspect	Thick Liquid
Color	White/milky transparent
Dilution	Ready to use (dilution in water up to 50%)
Quantity per layer	ca. 0,05 lt/m^2
PH	11
VOC Class	VOC 0 g/l, wall paints and subcategories "L" EU limit value 2010 30g/l
Specific weight	1,2 Kg/lt
Packaging	5 -1 lt containers
Storage	Store in a dry place with temp. 5° ÷ 30°C. Close well the started packages.
Notice	Protect surfaces in the 24 hours after application.

CLAY WASH

Instructions for use

• Application with brush, sponge.
• Application of 1 or more coats, according to finishing needs.
• Base must be clean and dry; remove any loose or friable parts, as well as traces of oil or grease. Level any surface irregularities beforehand.
• It is recommended to apply CLAY WASH over completely dry decorative finishes.
• CLAY WASH is ready to use, easily tintable, and can be diluted according to specific decorative requirements.
• It is important that the material has the correct consistency and dilution. Consumption and drying times may vary depending on temperature and substrate absorbency.
• Application temperature: 5°C – 30°C.

Notes

As the product is natural, slight color differences between production batches cannot be ruled out.
The suitability of application of the entire stratigraphy, consisting of primer and plaster, should be verified on the basis of a sufficiently large sample.
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TECHNICAL **CHART 126**

MINERAL SOLID

Description of product
Mineral binder based on stabilized potassium silicates for CLAY CREAM 100, CLAY TEX 300, CLAY STONE 500, CLAY COARSE 1000 and CLAY BASE 2000 products.
When mixed with these products, it enhances mechanical strenght while preserving their natural characteristics.

Application field
Binding additive for HIGH CLAY powder products.

Product characeristics
MINERAL SOLID is added to HIGH CLAY powder products to enhance their strength and durability while preserving their natural properties.
Its use thus enhances the following characteristics:
• high adhesion to most substrates when dry and properly treated;
• excellent resistance to wear and etching;
• excellent water impermeability.

	Technical data
Name	Mineral Solid
Composition	Potassium silicates in aqueous dispersion
Aspect	Liquid
Color	Transparent
Use	Specified on each decorative HIGH CLAY technical data sheet
Dilution	Ready to use
PH	10,8 - 11,8
VOC Class	VOC 0 g/l
Specific weight	approx. 1,35 kg/lt
Packaging	Gr. 650 and Gr.325 containers
Storage	Store in closed packages in a cool, dry place with temp. between 5 and 30 °C for 6 months. Close well the started packages.
Notice	Mix the product well before use.

MINERAL SOLID

Instructions for use

• Mix before use.
• Add MINERAL SOLID to the HIGH CLAY products already diluted with water. (For each product, the mixing ratio is specified in the respective technical data sheet.)
• Mix the resulting mixture thoroughly before application.

Notes

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TECHNICAL **CHART 146**

BIOBASE SOLID

Description of product
Binding additive in acqueous dispersion based on acrylic copolymer, 50% derived from renewable sources.
It can be mixed with CLAY WHITE PAINT, CLAY WASH, CLAY CREAM 100, CLAY TEX 300, CLAY STONE 500, CLAY COARSE 1000, and CLAY BASE 2000 products to improve mechanical strength and adhesion to surfaces.

Application field
Binding additive for HIGH CLAY powder products.

Product characeristics
BIOBASE SOLID is added to HIGH CLAY powder products to enhance their strength and durability.
Its use thus enhances the following characteristics:
- high adhesion to most substrates when dry and properly treated;
- excellent resistance to wear and etching;
- excellent water impermeability.

	Technical data
Name	Biobase Solid
Composition	Acrylic copolymer in aqueous dispersion
Aspect	Liquid
Color	Milky white
Use	Dose at 1–5% in HighClay range products
Dilution	Ready to use
PH	6,5
VOC Class	VOC 0 g/l
Specific weight	approx. 1,1 kg/lt
Packaging	Lt. 1 containers
Storage	Store in closed packages in a cool, dry place with temp. between 5 and 30 °C for 6 months. Close well the started packages.
Notice	Mix the product well before use.

BIOBASE SOLID

Instructions for use

• Mix before use.
• Add Add 1–5% of BIOBASE SOLID to the HIGH CLAY products already diluted with water.
• Mix the resulting mixture thoroughly before application.

Notes

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The product can be pigmented.

TECHNICAL **CHART 144**

CLAY CREAM 100

Description of product

Powder compound made of selected natural clays and marble powders (100 microns), designed for harmonious finishes with a trowelled effect for interior decoration.
Mineral and plant decorative additives such as sands, mica, granulates, etc., are available and can be adjoined to achieve a multitude of effects. These lend three-dimensionality to the decorative, amplifying that feeling of calm and tranquility that CLAY CREAM 100 already manages to convey through its genuine composition.

Application field

Thin layer coating for interior use (do not apply in areas in contact with water).

Product characeristics

CLAY CREAM 100 is a clay-based finish with a fine grain, designed to achieve a smooth, skim-coat effect, characterized by subtle surface variations typical of manual spatula application.
Carefully selected raw materials give CLAY CREAM 100 a very high ecological value and high quality.
The product, in addition to having its own natural base color, can be colored using dyes from the Bericalce tinting system.
CLAY CREAM 100 should be mixed with water; with the addition of the hardener MINERAL SOLID, even higher resistance is achieved.
The list of mineral and plant decorative additives -Decor Adds - is available separately.

	Technical data
Name	Clay Cream 100
Composition	Select natural clays, marble powders
Aspect	Powder
Color	White Cream
Dilution	In water 45 - 50 %
Quantity per layer	approx. 0,3 kg/m^2
PH	11 (already thinned with water and Mineral Solid hardener)
VOC Class	VOC 0 g/l, wall paints and subcategories "L" EU limit value 2010 30g/l
Mineral Solid quantity	gr. 50 (per 1 kg of powder Clay Cream 100)
Packaging	6,5 kg containers
Storage	Store in a dry place with temp. 5° ÷ 30°C. Close well the started packages.
Notice	Protect surfaces in the 24 hours after application.

CLAY CREAM 100

Instructions for use

• Prepare the substrate by checking that the surface is clean and dry. If necessary, remove loose parts, remove traces of oil and grease, consolidate and grout any cracks or holes, level any unevenness in the substrate.
Strongly alkaline substrates, such as fresh concrete surfaces with a sedimentary film, should always be neutralized.
• It is recommended that very sandy substrates be treated in advance with ECOBONDER PRIMER fixative.
• On the consolidated surface, it is suggested to prepare the base with the specific primer BIOPRIMER GRANULAR to create an adhesion bridge necessary to ensure the adhesion of subsequent products.
• The product should be applied with classic stainless steel trowel.
• Apply a base coat using CLAY STONE 500, which will serve as the substrate for the decorative finish.
• Once the base coat has been prepared, proceed with the application of CLAY CREAM 100: Mix CLAY CREAM 100 evenly with clean water (45 -50%) using a drill or stirrer with a propeller tip. When dilution is complete, it is advisable to also add Bericalce's MINERAL SOLID hardener (use gr. 50 of MINERAL SOLID per 1 kg of CLAY CREAM powder) in order to make the product even more resistant.
• Add at this point any mineral and plant toners, as well as any water-based colorants.
• Allow the mixture to rest for 30 minutes and then mix again before application.
• The product should be applied in 2 or more coats, allowing drying time between each coat and moistening the surface before applying the next layer.
• Apply the product evenly; its fine grain allows for a smooth, satin skim-coat effect with subtle surface variations from manual spatula application. The final appearance will, however, depend on the application technique used.
• If desired, NANO SILICA SEALER or NATURAL BEE WAX can be applied for surface protection.
• Product working time: 12 hours from the time of dilution in water 1-2 hours if MINERAL SOLID is added.
• It is important that the material is of the right consistency and dilution. Consumption and drying time may vary depending on temperature and substrate absorption.
• Application temperature 5° - 30°C

Notes

As the product is natural, slight color differences between production batches cannot be ruled out.
The suitability of application of the entire stratigraphy, consisting of primer and plaster, should be verified on the basis of a sufficiently large sample.
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The product can be pigmented.

TECHNICAL **CHART 145**

CLAY TEX 300

Description of product

Powder compound of selected natural clays and marble powders (300 microns) for harmonious finishes with a trowelled/sponged effect for interior decoration.
Mineral and plant decorative additives such as sands, mica, granulates, etc., are available and can be adjoined to achieve a multitude of effects. These lend three-dimensionality to the decorative, amplifying that feeling of calm and tranquility that CLAY TEX 300 already manages to convey through its genuine composition.

Application field

Medium-thin coating for interior use (do not apply in areas in contact with water).

Product characeristics

CLAY TEX 300 is a clay-based finish with a medium-fine grain, designed to achieve a skim-coat effect.
The final appearance depends on the application technique, giving the surface a more or less uniform texture.
Carefully selected raw materials give CLAY TEX 300 a very high ecological value and high quality.
The product, in addition to having its own natural base color, can be colored using dyes from the Bericalce tinting system.
CLAY TEX 300 should be mixed with water; with the addition of the hardener MINERAL SOLID, even higher resistance is achieved.
The list of mineral and plant decorative additives - Decor Adds - is available separately.

	Technical data
Name	Clay Tex 300
Composition	Select natural clays, marble powders
Aspect	Powder
Color	Light beige
Dilution	In water 35 - 40 %
Quantity per layer	approx. 0,45 kg/m^2
PH	11 (already thinned with water and Mineral Solid hardener)
VOC Class	VOC 0 g/l, wall paints and subcategories "L" EU limit value 2010 30g/l
Mineral Solid quantity	gr. 50 (per 1 kg of powder Clay Tex 300)
Packaging	13 kg containers
Storage	Store in a dry place with temp. 5° ÷ 30°C. Close well the started packages.
Notice	Protect surfaces in the 24 hours after application.

CLAY TEX 300

Instructions for use

• Prepare the substrate by checking that the surface is clean and dry. If necessary, remove loose parts, remove traces of oil and grease, consolidate and grout any cracks or holes, level any unevenness in the substrate.
Strongly alkaline substrates, such as fresh concrete surfaces with a sedimentary film, should always be neutralized.
• It is recommended that very sandy substrates be treated in advance with ECOBONDER PRIMER fixative.
• On the consolidated surface, it is suggested to prepare the base with the specific primer BIOPRIMER GRANULAR to create an adhesion bridge necessary to ensure the adhesion of subsequent products.
• The product should be applied with classic stainless steel trowel.
• Apply a base coat using CLAY STONE 500, which will serve as the substrate for the decorative finish.
• Once the base coat has been prepared, proceed with the application of CLAY TEX 300: Mix CLAY TEX 300 evenly with clean water (35 - 40%) using a drill or stirrer with a propeller tip. When dilution is complete, it is advisable to also add Bericalce's MINERAL SOLID hardener (use gr. 50 of MINERAL SOLID per 1 kg of CLAY TEX 300 powder) in order to make the product even more resistant.
• Add at this point any mineral and plant toners, as well as any water-based colorants.
• Allow the mixture to rest for 30 minutes and then mix again before application.
• The product should be applied in 2 or more coats, allowing drying time between each coat and moistening the surface before applying the next layer.
• Apply the product evenly, noting that the final appearance will depend on the application technique. In general, if you finish the plaster while it is still quite wet, the finished surfaces will look rough, while if it is almost dry, the surfaces will look smoother.
• If desired, NANO SILICA SEALER or NATURAL BEE WAX can be applied for surface protection.
• Product working time: 12 hours from the time of dilution in water 1-2 hours if MINERAL SOLID is added.
• It is important that the material is of the right consistency and dilution. Consumption and drying time may vary depending on temperature and substrate absorption.
• Application temperature 5° - 30°C

Notes

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TECHNICAL **CHART 124**

CLAY STONE 500

Description of product

Powder compound made of selected natural clays and marble powders (500 microns) for harmonious finishes with a trowelled/sponged intonachino effect for interior decoration.
Mineral and plant decorative additives such as straw, pebble glass, granulates, sands, etc., are available and can be adjoined to achieve a multitude of effects. These lend three-dimensionality to the decorative, amplifying that feeling of calm and tranquility that CLAY STONE 500 already manages to convey through its genuine composition.

Application field

Medium thickness coating for interior use (do not apply in areas in contact with water).

Product characeristics

CLAY STONE 500 is a medium grain finish with a granular effect, that allows to achieve the trowelled/sponged intonachino effect.
Carefully selected raw materials give CLAY STONE 500 a very high ecological value and high quality.
The product, in addition to having its own natural base color, can be colored using dyes from the Bericalce tinting system.
CLAY STONE 500 should be mixed with water; with the addition of the hardener MINERAL SOLID, even higher resistance is achieved.
The list of mineral and plant decorative additives - Decor Adds - is available separately.

	Technical data
Name	Clay Stone 500
Composition	Select natural clays, marble powders
Aspect	Powder
Color	Beige
Dilution	In water 20 - 25 %
Quantity per layer	approx. 0,95 kg/m^2
PH	11 (already thinned with water and Mineral Solid hardener)
VOC Class	VOC 0 g/l, wall paints and subcategories "L" EU limit value 2010 30g/l
Mineral Solid quantity	gr. 36 (per 1 kg of powder Clay Stone 500)
Packaging	18 kg containers
Storage	Store in a dry place with temp. 5° ÷ 30°C. Close well the started packages.
Notice	Protect surfaces in the 24 hours after application.

CLAY STONE 500

Instructions for use

• Prepare the substrate by checking that the surface is clean and dry. If necessary, remove loose parts, remove traces of oil and grease, consolidate and grout any cracks or holes, level any unevenness in the substrate.
Strongly alkaline substrates, such as fresh concrete surfaces with a sedimentary film, should always be neutralized.
• It is recommended that very sandy substrates be treated in advance with ECOBONDER PRIMER fixative.
• On the consolidated surface, it is suggested to prepare the base with the specific primer BIOPRIMER GRANULAR to create an adhesion bridge necessary to ensure the adhesion of subsequent products.
• The product should be applied with classic stainless steel trowel.
• Mix CLAY STONE 500 evenly with clean water (20 - 25%) using a drill or stirrer with a propeller tip. When dilution is complete, it is advisable to also add Bericalce's MINERAL SOLID hardener ((use gr. 36 of MINERAL SOLID per 1 kg of CLAY CREAM powder) in order to make the product even more resistant.
• Add at this point any mineral and plant toners, as well as any water-based colorants.
• Allow the mixture to rest for 30 minutes and then mix again before application.
• The product should be applied in 2 coats, allowing drying time between each coat and moistening the surface before applying the next layer.
• The product should be applied in a uniform manner and with consistent, trowel-sponge resuming times.
• It is recommended to finish the product with new trowel-sponge, using clean water. In general, if you finish the plaster while it is still quite wet, the finished surfaces will look rough, while if it is almost dry, the surfaces will look smoother.
• If desired, NANO SILICA SEALER can be applied for surface protection.
• Product working time: 24 hours from the time of dilution in water 1-2 hours if MINERAL SOLID is added.
• It is important that the material is of the right consistency and dilution. Consumption and drying time may vary depending on temperature and substrate absorption.
• Application temperature 5° - 30°C

Notes

As the product is natural, slight color differences between production batches cannot be ruled out.
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NATURE IS ELEGANT
High Clay

The product can be pigmented.

TECHNICAL **CHART 125**

CLAY COARSE 1000

Description of product

Powder compound of selected natural clays and marble powders (1000 microns) for harmonious finishes with a trowelled/sponged travertine effect for interior decoration.
Mineral and plant decorative additives such as straw, pebble glass, granulates, sands, etc., are available and can be adjoined to achieve a multitude of effects. These lend three-dimensionality to the decorative, amplifying that feeling of calm and tranquility that CLAY COARSE 1000 already manages to convey through its genuine composition.

Application field

Medium-thik coating for interior use (do not apply in areas in contact with water).

Product characeristics

CLAY COARSE 1000 is a medium-coarse grain finish with a granular effect, that allows to achieve the traditional trowelled/sponged travertino effect.
Carefully selected natural raw materials give CLAY COARSE 1000 a very high ecological value and high quality.
The product, in addition to having its own natural base color, can be colored using dyes from the Bericalce tinting system.
CLAY COARSE 1000 should be mixed with water; with the addition of the hardener MINERAL SOLID, even higher resistance is achieved.
The list of mineral and plant decorative additives - Decor Adds - is available separately.

	Technical data
Name	Clay Coarse 1000
Composition	Select natural clays, marble powders
Aspect	Powder
Color	Beige
Dilution	In water 20 - 25%
Quantity per layer	approx. 1,75 kg/m^2
PH	11 (already thinned with water and Mineral Solid hardener)
VOC Class	VOC 0 g/l, wall paints and subcategories "L" EU limit value 2010 30g/l
Mineral Solid quantity	gr. 36 (per 1 kg of powder Clay Coarse 1000)
Packaging	18 kg containers
Storage	Store in a dry place with temp. 5° ÷ 30°C. Close well the started packages.
Notice	Protect surfaces in the 24 hours after application.

CLAY COARSE 1000

Instructions for use

• Prepare the substrate by checking that the surface is clean and dry. If necessary, remove loose parts, remove traces of oil and grease, consolidate and grout any cracks or holes, level any unevenness in the substrate.
Strongly alkaline substrates, such as fresh concrete surfaces with a sedimentary film, should always be neutralized.
• It is recommended that very sandy substrates be treated in advance with ECOBONDER PRIMER fixative.
• On the consolidated surface, it is suggested to prepare the base with the specific primer BIOPRIMER GRANULAR to create an adhesion bridge necessary to ensure the adhesion of subsequent products.
• The product should be applied with classic stainless steel trowel.
• Mix CLAY COARSE 1000 evenly with clean water (20 - 25%) using a drill or stirrer with a propeller tip. When dilution is complete, it is advisable to also add Bericalce's MINERAL SOLID hardener (use gr. 36 of MINERAL SOLID per 1 kg of CLAY COARSE 1000 powder) in order to make the product even more resistant.
• Add at this point any mineral and plant toners, as well as any water-based colorants.
• Allow the mixture to rest for 30 minutes and then mix again before application.
• The product should be applied in 2 coats, allowing drying time between each coat and moistening the surface before applying the next layer.
• The product should be applied in a uniform manner and with consistent, trowel-sponge resuming times.
• It is recommended to finish the product with new trowel-sponge, using clean water. In general, if you finish the plaster while it is still quite wet, the finished surfaces will look rough, while if it is almost dry, the surfaces will look smoother.
• If desired, NANO SILICA SEALER can be applied for surface protection.
• Product working time: 24 hours from the time of dilution in water 1-2 hours if MINERAL SOLID is added.
• It is important that the material is of the right consistency and dilution. Consumption and drying time may vary depending on temperature and substrate absorption.
• Application temperature 5° - 30°C

Notes

As the product is natural, slight color differences between production batches cannot be ruled out.
The suitability of application of the entire stratigraphy, consisting of primer and plaster, should be verified on the basis of a sufficiently large sample.
This data sheet was prepared by Bericalce technicians and the data provided constitute the technical and scientific indications tested at the in-house laboratory.
All responsibility, about the results obtained, lies solely with the method and conditions adopted for the application of the product.
These indications constitute valid support in verifying the suitability of the product for the specific case.

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The product can be pigmented.

TECHNICAL **CHART 128**

CLAY BASE 2000

Description of product

Powder compound made of selected natural clays, hemp shives and sands, ideal both as a leveling compound for restoration and as a finish for interiors with a rough trowelled effect.
Mineral and plant decorative additives such as straw, pebble glass, granulates, sands, etc., are available and can be adjoined to achieve a multitude of effects. These lend three-dimensionality to the decorative, amplifying that feeling of calm and tranquility that CLAY BASE 2000 already manages to convey through its genuine composition.

Application field

Medium-thik levelling coat for interior use (do not apply in areas in contact with water).

Product characeristics

CLAY BASE 2000 is a rough grain levelling compound with a granular texture and dark beige color.
It is suitable for the restoration of old façades, for evening out heterogeneous mineral substrates, as well as new and/or aged plasters, and can also be used as an interior finish with a rough trowelled effect.
Carefully selected natural raw materials give CLAY BASE 2000 a very high ecological value and high quality.
The product, in addition to having its own natural base color, can be colored using dyes from the Bericalce tinting system (dark shades).
CLAY BASE 2000 should be mixed with water; with the addition of the hardener MINERAL SOLID, even higher resistance is achieved.
The list of mineral and plant decorative- Decor Adds - is available separately.

	Technical data
Name	Clay Base 2000
Composition	Select natural clays, hemp shives, sands
Aspect	Powder
Color	Dark Beige
Dilution	In water 20 - 25 %
Quantity per layer	approx. 2,60 kg/m^2
PH	11 (already thinned with water and Mineral Solid hardener)
VOC Class	VOC 0 g/l, wall paints and subcategories "L" EU limit value 2010 30g/l
Mineral Solid quantity	gr. 36 (per 1 kg of powder Clay Base 2000)
Packaging	18 kg containers
Storage	Store in a dry place with temp. 5° ÷ 30°C. Close well the started packages.
Notice	Protect surfaces in the 24 hours after application.

CLAY BASE 2000

Instructions for use

• Prepare the substrate by checking that the surface is clean and dry. If necessary, remove loose parts, remove traces of oil and grease, consolidate and grout any cracks or holes, level any unevenness in the substrate.
Strongly alkaline substrates, such as fresh concrete surfaces with a sedimentary film, should always be neutralized.
• It is recommended that very sandy substrates be treated in advance with ECOBONDER PRIMER fixative.
• On the consolidated surface, it is suggested to prepare the base with the specific primer BIOPRIMER GRANULAR to create an adhesion bridge necessary to ensure the adhesion of subsequent products.
• Mix CLAY BASE 2000 evenly with clean water (20- 25%) using a drill or stirrer with a propeller tip. When dilution is complete, it is advisable to also add Bericalce's MINERAL SOLID hardener (use gr. 36 of MINERAL SOLID per 1 kg of CLAY BASE 2000 powder) in order to make the product even more resistant.
• Add at this point any mineral and plant toners, as well as any water-based colorants.
• Allow the mixture to rest for 30 minutes and then mix again before application.
• Before starting the application, moisten the wall and gently wipe with a sponge to improve adhesion.
• Apply CLAY BASE 2000 using a stainless steel trowel: the product should be applied in a single generous coat.
• Allow the wall to rest for approximately 30 minutes.
• Finish with a plastic trowel. In general, if you finish the plaster while it is still quite wet, the finished surfaces will look rough, while if it is almost dry, the surfaces will look smoother.
• Product working time: 24 hours from the time of dilution in water 1-2 hours if MINERAL SOLID is added.
• If used as a decorative finish, CLAY BASE 2000 can be protected by applying the protective product NANO SILICA SEALER on top.
• It is important that the material is of the right consistency and dilution. Consumption and drying time may vary depending on temperature and substrate absorption.
• Application temperature 5° - 30°C

Notes

As the product is natural, slight color differences between production batches cannot be ruled out.
The suitability of application of the entire stratigraphy, consisting of primer and plaster, should be verified on the basis of a sufficiently large sample.
This data sheet was prepared by Bericalce technicians and the data provided constitute the technical and scientific indications tested at the in-house laboratory.
All responsibility, about the results obtained, lies solely with the method and conditions adopted for the application of the product.
These indications constitute valid support in verifying the suitability of the product for the specific case.

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TECHNICAL **CHART 127**

NANO SILICA SEALER

Description of product

Hydrophobic protective coating based on colloidal silica in aqueous dispersion and bio-based resins, with a matt effect. The special nanostructured silica-based composition, when applied on the surface, forms a homogeneous layer that is resistant to UV rays and acid and alkaline substances, reduces water absorption and hinders the penetration of impurities.

Application field

Protective agent for HIGHCLAY decors.

Product characeristics

NANO SILICA SEALER is an ideal protectant for absorbent surfaces, such as clay-based decors, marbles, silicate products and similar.
NANO SILICA SEALER has high water impermeability and greatly improves the washability of the surface.
Applied in one abundant coat, it prevents surfaces from dusting increasing surface resistance while practically preserving the chromatic characteristics of the substrate.

	Technical data
Name	Nano Silica Sealer
Composition	Nanostructured silica in aqueous dispersion, Biobase resins
Aspect	Viscous liquid
Color	Transparent
Dilution	Ready to use
Quantity per layer	approx. 0,13 lt/m^2
PH	5 - 9
VOC Class	VOC 0 g/l, wall paints and subcategories "L" EU limit value 2010 30g/l
Specific weight	1 kg/lt
Packaging	1 - 5 Lt containers
Storage	Store in a dry place with temp. 5 ÷ 30 °C for 18 months. Close well the started packages.
Notice	Protect surfaces within 24 hours after application.

NANO SILICA SEALER

Instructions for use

• Shake the product before use. Roller or brush application.
• The product should be applied in one generous coat.
• Apply the product on clean, sanitized and dry surfaces; if necessary, remove insubstantial parts traces of oils and greases.
• NANO SILICA SEALER comes ready to use; it can also be lightly tinted, so as to create a glazing effect
• Application temperature 5 - 30 °C
• Do not apply to wet surfaces or metal surfaces.

Notes

This data sheet was prepared by Bericalce technicians and the data provided constitute the technical and scientific indications tested at the in-house laboratory.
All responsibility, about the results obtained, lies solely with the method and conditions adopted for the application of the product.
These indications constitute valid support in verifying the suitability of the product for the specific case.

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Luxury& LIME SEDUCTIVE TEXTURES

NATURE IS ELEGANT High Clay

TECHNICAL **CHART 35**

NATURAL BEE WAX


Suitable for external uses.


The product can be pigmented.

Description of product

NATURAL BEE WAX in aqueous solution with a satin effect, protect lime-based finishes such as Grassello, Venetian Stucco, Marmorini, Cocciopesto, Spatolati and HighClay decoratives based on clay.

Application Field

Protection and conservation for prestigious decorative finishing.

Product characteristics

NATURAL BEE WAX is a completely natural bee wax product. Used to give brightness and to impermeabilize inside wall surfaces treated with Antique Stucco and Venetian spatolato. The product is completely without organic solvents. The colour shades can be personalized using the scheme of the Tintometric system Luxury&Lime. Its composition is a synthsis of wax substances and natural derivatives carfully emulsified, easy to use with a good final brightness.
Its application make the surfaces more solid by penetrating into porosities: the surface results more resistant to external aggressives. The treated surfaces will remain stable in time without chromatic alterations.

	Technical data
Name	Natural Bee Wax
Composition	Bee wax, pure Marsiglia soap and special addictives
Aspect	Dense Liquid
Color	Neutral clear White
Diluition	Ready to use
Quantity per layer	approx. 0,12 lt/m^2
VOC class	VOC 0g/l - wall paint and subcategory "L" max.value UE2010 30g/l
Solid Contents	approx. 13%
Viscosity	8,000 - 10,000 (Brookfield R.P.M. 20, S 04 T 25° C)
Specific weight	0,95 kg/lt
Packaging	1 - 5 lt packaging
Storage	Keep in dry place with temperture min.5° - 30°C max.
Notice	Protect the surfaces during the 12 hours after application

NATURAL BEE WAX

Instructions for use

• Application with sponge, pads, cloths and paintbrush.
• Application of 1 or more coats according to needs
• NATURAL BEE WAX is ready to use, stir with care
• Let surface dry for at least 24 hours before application
• Spread the wax using a sponge and proceed of about 1 sqm per time, insisting with spreading until the surface does no longer absorb. Remove the excess of wax from surface
• The product can be applied using different tools: sponge, pad, cloth, paintbrush according to the decorative effect to obtain. Remove with cloth any excess of wax
• After about 30 min. and not more than 2 hours, proceed to polishing with special cloths or using a polishing machine with wool pads
• Protect from rain external decoratives for at least 48 hours
• The product maintains its characteristics for about 12 months if protected from excessive heat or coldness
• Temperature of application 5° - 30°C

Notes

The present technical chart has been written by Bericalce's experts and the indicated technical and scientific information have been tested in our own workshop.
Any responsability regarding the results are due only to the method and conditions used during application of the product.
These indications are a valid support for testing the quality of the product in each specific case.

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