



FASSALIME

Solutions for your
rendering needs

**FASSA
BORTOLO**
QUALITY FOR BUILDING

GENERAL INDEX

MANKIND'S FOUR BIG CHALLENGES FOR THE FUTURE AND FOR SUSTAINABILITY	p.5
OUR EXPERIENCE IS YOUR GUARANTEE EVER GREATER RESOURCES TO BE EVER CLOSER TO THE NEEDS	p.7
INTEGRATED SYSTEM	p.8
CERTIFIED QUALITY FOR THE BUILDING SECTOR	p.9
THREE MISSIONS: DIAGNOSIS, TECHNOLOGY AND AESTHETICS	p.10
	p.13

CYCLES

p.15

1. RENDERING ONTO AERATED BLOCKWORK

p.16

2. RENDERING ONTO MEDIUM DENSE BLOCKWORK	
2A. RENDERING ONTO MEDIUM DENSE BLOCKWORK	p.18
2B. RENDERING ONTO MEDIUM DENSE BLOCKWORK	p.20

3. RENDERING ONTO BRICKWORK	
3A. RENDERING ONTO BRICKWORK - PURACALCE for dry walls	p.22
3B. RENDERING ONTO BRICKWORK - EX NOVO for dry walls	p.24
3C. RENDERING ONTO BRICKWORK - PURACALCE for damp walls (textured finish)	p.26
3D. RENDERING ONTO BRICKWORK - PURACALCE for damp walls (smooth finish)	p.28
3E. RENDERING ONTO BRICKWORK - EX NOVO for damp walls	p.30

4. RENDERING ONTO OLD STONES	
4A. RENDERING ONTO OLD STONES - PURACALCE for dry walls	p.32
4B. RENDERING ONTO OLD STONES - EX NOVO for dry walls	p.34
4C. RENDERING ONTO OLD STONES - PURACALCE for damp walls (textured finish)	p.36
4D. RENDERING ONTO OLD STONES - PURACALCE for damp walls (smooth finish)	p.38
4E. RENDERING ONTO OLD STONES - EX NOVO for damp walls	p.40

PRODUCTS

p.43















RENDERS

KB 13	p.45
K 1710	p.45
S 650	p.46
S 639	p.46
S 605	p.47
LC7 BIOLISCIO	p.47
RM 200	p.48
RINZAFFO 720	p.48
INTONACO 700	p.49
INTONACO MACROPOROSO 717	p.49
FINITURA 750	p.50
FINITURA IDROFUGATA 756	p.50
FASSANET 160	p.51

PRIMER AND DECORATIVE COAT

FX 526	p.53
FS 412	p.53
PS 403	p.54
SKIN 432	p.54
FASSIL P 313	p.55
RSR 421	p.55

KEY

	Plastic container		Sponge float
	Sac		Metal trowel
	Application by hand		Plastic trowel
	Application by sprayer		Spalter
	Application by brush		Product for interiors
	Application by roller		Product for exteriors
	Application by spray		Product for interiors/exteriors



Mankind's four big challenges for the future and for sustainability

Use all natural resources intelligently and effectively, so as to respond positively to population growth and the evolution of human needs.

Safeguard climate stability by controlling greenhouse gas emissions, which must be reduced by 2020.

Promote a more efficient use of increasingly scarce water resources, so as to preserve an asset that may be in short supply in the near future.

Increase development of energetically efficient infrastructure with a low environmental impact, so as to respond to growing urban populations and ensure respectful and sustainable urban development.



**300 years of history
15 systems**

Our experience is your guarantee

Fassa Bortolo's tradition stretches back to 1710. Passed down from generation to generation, it has constantly evolved, standing out for innovations which have made an essential contribution to the construction sector.

In Italy, it was the first company to introduce premixed lime, cement plasters and renders for all types of building work. It was also the first to develop silo technology, the supply system which revolutionised work on site.

Today, it is a market leader and a reference point for designers, suppliers and the contractors themselves.

Quality building and living in respect of man and the environment

Our experience is your guarantee of quality building and living, in respect of man and the environment.

One philosophy runs through the whole Fassa Bortolo product portfolio: a mission to bring innovations into our working and living surroundings. Developing products and materials with far better performance and improving the physiological well-being of the individual, whilst being in harmony with the environment.

Safety, efficiency, durability... here at Fassa Bortolo, our values have also always included comfort, balance and respect, because we are committed to evolution of the building sector and improving quality of life.

We combine all our resources to achieve one single objective - greater well-being and better quality of life.



Ever greater resources to be ever closer to the needs

Its presence on the ground is another of Fassa Bortolo's great strong points: 16 production sites and three sales offices in Italy, one production site in Portugal and one in Spain; three commercial branches in Switzerland, one in France, one in Spain and one in the United Kingdom. A well-developed network has always been a priority for the company to be ever nearer to the customer and guarantee a swift response.

Production facilities

Italy

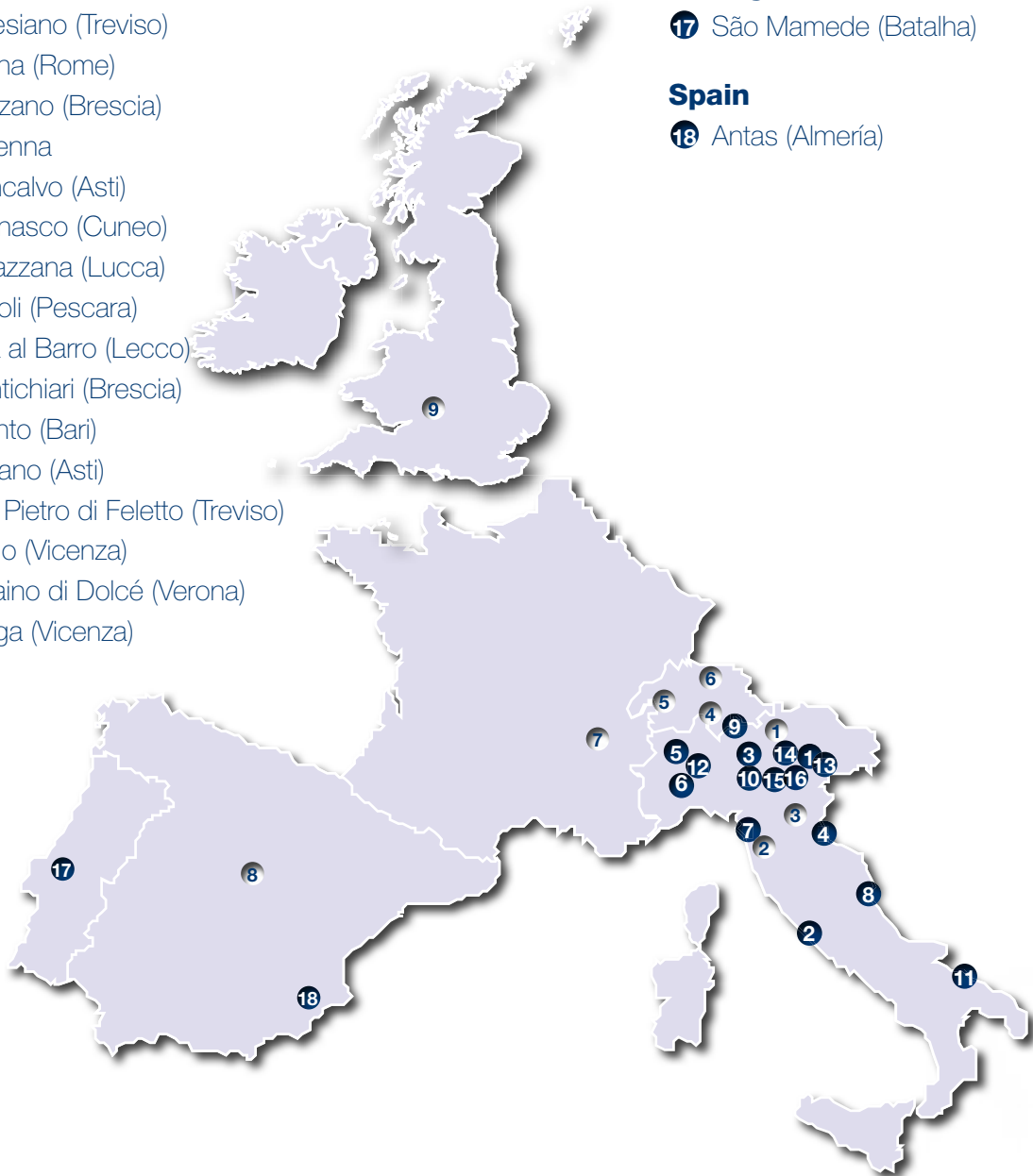
- 1 Spresiano (Treviso)
- 2 Artena (Rome)
- 3 Mazzano (Brescia)
- 4 Ravenna
- 5 Moncalvo (Asti)
- 6 Bagnasco (Cuneo)
- 7 Molazzana (Lucca)
- 8 Popoli (Pescara)
- 9 Sala al Barro (Lecco)
- 10 Montichiari (Brescia)
- 11 Bitonto (Bari)
- 12 Calliano (Asti)
- 13 San Pietro di Feletto (Treviso)
- 14 Schio (Vicenza)
- 15 Ceraino di Dolcé (Verona)
- 16 Villaga (Vicenza)

Portugal

- 17 São Mamede (Batalha)

Spain

- 18 Antas (Almería)



Commercial branches

Italy

- 1 Bolzano
- 2 Altopascio (Lucca)
- 3 Sassuolo (Modena)

Switzerland

- 4 Mezzovico (Lugano)
- 5 Aclens
- 6 Dietikon (Zurich)

France

- 7 Lyon

Spain

- 8 Madrid

United Kingdom

- 9 Tewkesbury

integrated|system

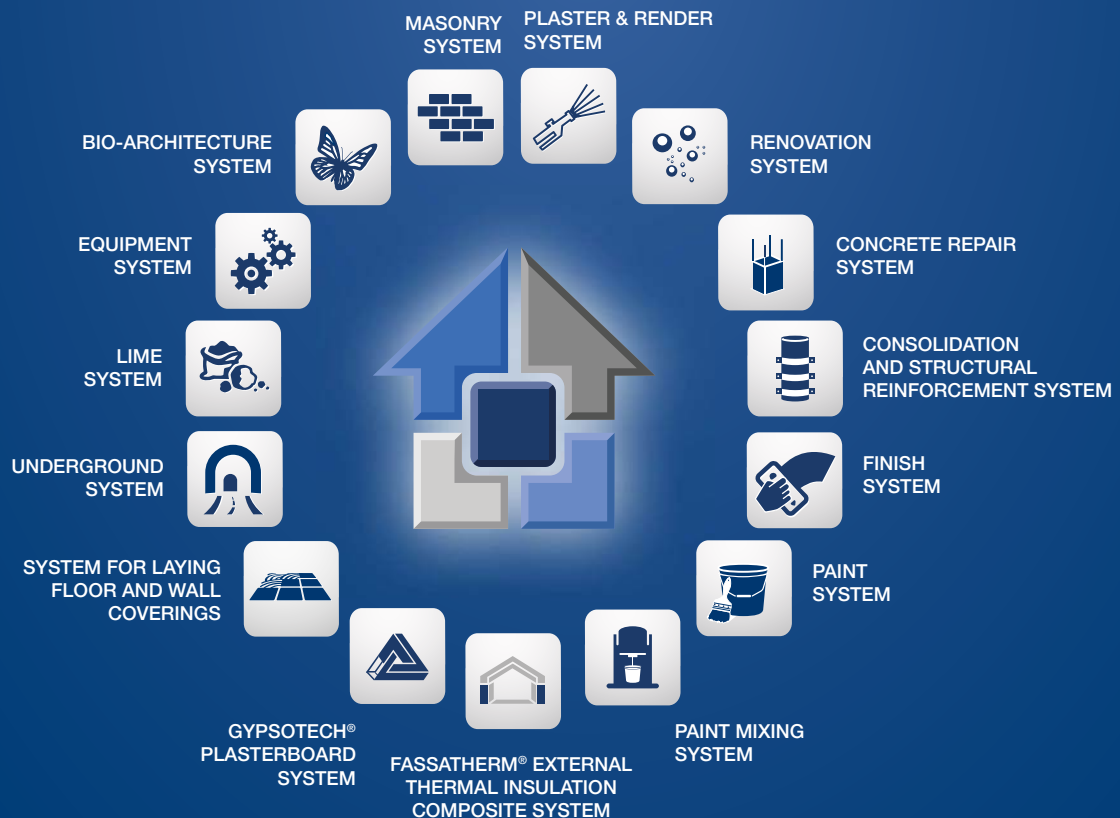
15 coherently
integrated systems

A synergic set of products, skills, research and services
for all types of work.

Intelligent Synergy

**From traditional materials to plasterboard.
From bio-architecture to the External Thermal
Insulation Composite System.**

Combining resources towards a single objective means
creating an integrated system. The Fassa Bortolo Inte-
grated System. The first and only in the sector, it offers
the advantage of a range of products and skills acting
in synergy, guarantees the absolute quality of all types
of work and extends and integrates a project's potential
and opportunities.



Certified quality for the building sector

RIBA CPD Providers Network

We are part of the RIBA CPD Providers Network, which consists of over 500 manufacturers, suppliers and training companies who provide RIBA-approved CPD to architects and other specifiers. As RIBA CPD providers, our material has been rigorously assessed by the RIBA and it is available in different formats.



NBS Plus

Fassa Bortolo has subscribed to NBS Plus, which is part of NBS, the preferred specification system for the construction industry, used by the majority of architectural and design practices in the UK. This subscription implies that our products are listed in a dedicated section of manufacturers' technical product information, where they can be added by a designer, architect or contractor into a project specification.



British Board of Agrément (BBA)

The British Board of Agrément (BBA) has issued certification for FASSATHERM External Wall Insulation system (EWI). BBA certification was deemed necessary to extend the system offer covered under the existing ETA specifically for the UK market. The system certification now includes standard grade (white), high performance low lambda (grey) expanded polystyrene and mineral wool.



European Technical Approval (ETA) and safety in all components

The quality and safety of every component in the system is decisive in guaranteeing optimum efficiency and durability. From insulation to adhesive/base coat, anchors and reinforcing bars, all elements in the Fassatherm® External Thermal Insulation Composite System are submitted to the strictest controls possible. The Fassatherm® External Thermal Insulation Composite System has European Technical Approval ETA 07/0280 and ETA 09/0282, attesting the technical suitability of the system for thermal insulation applications, based on compliance with all the requirements of the ETAG 004 guidelines. The European Technical Approvals for the FASSA BORTOLO External Thermal Insulation Composite System are available in full from the www.fassabortolo.com website.



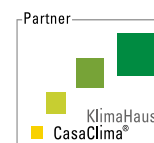
Construction Products Regulation CPR 305/2011 – CE marking and DoP

All Fassa products comply with EC standards and regulations, satisfy all the performance requisites for building products (CPR 305/2011) and bear CE and DoP marking. The DoPs (Declarations of Performance) for Fassa Bortolo and Gypsotech products can be downloaded from our websites: www.fassabortolo.com and www.gypsotech.it. All technical documentation bears special logos highlighting possession of these requisites, while others confirm compliance to the criteria and classification methods specified in European standards and regulations.



ClimateHouse

Being a ClimateHouse partner means having recognised technical skills and a constant commitment, through our products, to energy efficiency in new and renovated buildings, in respect of the environment.



BDA Agrément

Kiwa Building Products issues the BDA Agrément® for "FASSAREND" system with A96 on a cement-based render carrier board, for installation of external timber framed or solid walls. Products have been examined and rigorously tested following precise installation instructions. Agréments confirm the compliance and durability of the product under the specified method of installation. The BDA Agrément® has received the NHBC third party acceptance for the UK market.



ANAB (Associazione Nazionale Architettura Bioecologica) and ICEA (Istituto per la Certificazione Etica e Ambientale) quality certification

An important recognition for bio-ecological products, certifying maximum attention to the environment and full compliance with the strictest bio-architectural criteria. Fassa Bortolo's Bio-Architecture line was the first line in Europe to obtain certification with KB 13, the first plaster and render certified in 1999, setting the standards in the sustainable architecture sector.



GEV EMICODE

Voluntary mark certifying the emission of volatile and semi-volatile organic compounds (VOC and SVOC) issued by GEV (the Association for the Control of Emissions in Products for Floor Installation, Adhesives and Building Materials), applied to the products in the System for Laying Floor and Wall Coverings. Following severe tests, the very low emissions of Fassa products earned them EC1 Plus certification.



LEED certification Leadership in Energy and Environmental Design

This certification confirms that buildings are environmentally sustainable, both as regards energy usage and consumption of environmental resources during construction. The particular feature of this standard is that it covers all sectors involved in building design, from choice of construction site, site management, careful use of drinking water, the energy efficiency of the building shell and technical installations, use of renewable energy sources, use of partially recycled materials and quality and comfort inside the building.



Indoor Air Quality

All products in the Fassa Bortolo Colour System respect the parameters established by European Union regulations and standards aimed at limiting the emission of organic compounds. They therefore comply with the provisions of Italian Legislative Decree no. 161 of 27/03/2006 (implementing Directive 2004/42/EC), identifying the maximum content of Volatile Organic Compounds (COVs) in paints and paste coatings.



NF Certification

Most of the Gypsotech® boards have obtained NF certification, a fundamental requisite for the French market. NF certification is issued by CSTB Paris, in accordance with NF certification regulation 081 specified by AFNOR, the French standards organisation. Certification is only issued following audits and sampling by CSTB, which then tests the specimens in its laboratories.



French Label - Étiquetage sanitaire

A classification and labelling system applied to emissions of volatile organic compounds from construction and decoration products and indoor paints. In January 2012 labelling of all products introduced onto the French market for the first time became obligatory and since September 2013 it has been obligatory for all products sold on French territory. All Fassa products boast the A+ class label.



* Information sur le niveau d'émission de substances nocives des produits de décoration et de revêtement de sol pour intérieur, sur une échelle de classe allant de A+ (plus faible émission) à C (forte émission).



Three missions: Diagnosis, Technology and Aesthetics

The choice of the best solution for carrying out building recovery work always starts with correct **DIAGNOSIS**.

This activity is fundamental in ensuring final quality; managed by Fassa Bortolo specialists, their extensive experience makes this stage the first element of excellence in the service offered.

Diagnosis is essential in defining which type of cycle is the most suitable for meeting the requirements of the work and identifying the products and processes that, based on profound knowledge of site technical issues, can guarantee the expected optimum result.

Recovery or remediation always involves an objective of improving functional, energy and aesthetic performance through application of the Facade System cycles, and the performance of product and process **TECHNOLOGY**, whose absolute quality guarantees that the value of the investment will be protected over time.

For many years Fassa Bortolo has been investing in continuous research and development of its solutions, based on climatic changes and the effects of time on structures, pursuing the principle of qualitative excellence that has always been the company's hallmark.

AESTHETICS are the result of work performed to the best industry standards, another way of saying guaranteed to be done right, in the best Fassa Bortolo tradition.



A photograph of a classical building facade with a large green diagonal overlay. The building features ornate architectural details, including columns, pediments, and decorative moldings. The windows have dark frames. The green overlay is a solid, vibrant color that cuts across the image from the top right to the bottom left. The word "CYCLES" is written in white, uppercase letters on the green background.

CYCLES

1

Rendering onto aerated blockwork (3.5 kN)

Hydrated lime rendering cycle for lightweight blocks (3.5 kN blocks with a density > 450 kg/m³). The PURACALCE line products ensure high substrate breathability; the choice of a ready-to-use finish coat render ensures a wide variety of colours in different gradings; the siloxane protective finish gives the surface suitable water repellency.

- High breathability
- Ready-to-use finish coat render in different gradings
- Suitable water repellency

BASE COAT:



KB 13
Bio lime base coat plaster and render, with marmorino effect.



K 1710
Bio traditional fibre-reinforced base coat plaster and render made from pure nano-lime with pozzolanic effect.

FINISH COAT:



S 605
Bio white finish coat plaster and render for the restoration of damp masonry, with marmorino effect.



FASSANET 160
Alkali-resistant fibreglass reinforcing mesh, 160 g/m².

PRIMER AND DECORATIVE COAT:



FX 526
Universal pigmented primer undercoat for interiors and exteriors.



RSR 421
Compact, fibre-reinforced and siloxane-enhanced coating for exteriors.



SKIN 432
Protective siloxane finish for exteriors.



FASSIL P 313
Smooth water-based silicate mineral paint for exteriors and interiors.

2A

Rendering onto medium dense blockwork (7.3 kN)

Hydrated lime rendering cycle for medium density blocks. The PURACALCE line products ensure high substrate breathability; the choice of a ready-to-use finish coat render ensures a wide variety of colours in different gradings; the siloxane protective finish gives the surface suitable water repellency.

- High breathability
- Ready-to-use finish coat render in different gradings
- Suitable water repellency

BASE COAT:



KB 13
Bio lime base coat plaster and render, with marmorino effect.



K 1710
Bio traditional fibre-reinforced base coat plaster and render made from pure nano-lime with pozzolanic effect.

FINISH COAT:



S 605
Bio white finish coat plaster and render for the restoration of damp masonry, with marmorino effect.



FASSANET 160
Alkali-resistant fibreglass reinforcing mesh, 160 g/m².

PRIMER AND DECORATIVE COAT:



FX 526
Universal pigmented primer undercoat for interiors and exteriors.



RSR 421
Compact, fibre-reinforced and siloxane-enhanced coating for exteriors.



SKIN 432
Protective siloxane finish for exteriors.



FASSIL P 313
Smooth water-based silicate mineral paint for exteriors and interiors.

2A RENDERING ONTO MEDIUM DENSE BLOCKWORK

1 KB 13/
K 1710

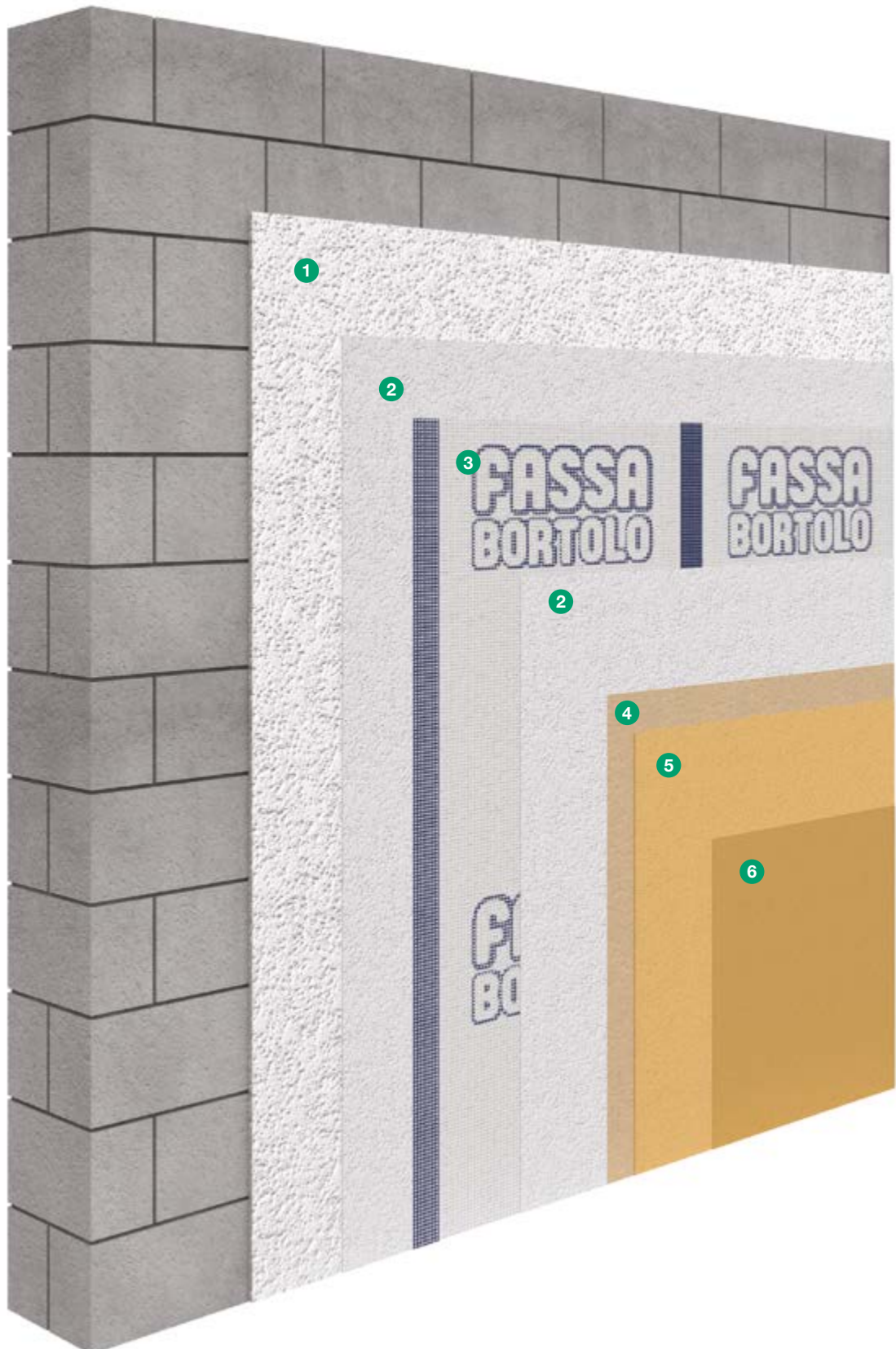
3 FASSANET 160

5 RSR 421

2 S 605

4 FX 526

6 SKIN 432/
FASSIL P 313



2B

Rendering onto medium dense blockwork (7.3 kN)

Application cycle based on NHL 3.5 natural hydraulic lime for the restoration of damp masonry. The EX NOVO line products ensure good mechanical strength and high breathability; the choice of a ready-to-use finish coat render ensures a wide variety of colours in different gradings; the siloxane protective finish gives the surface suitable water repellency.

- High breathability
- Good mechanical strength
- Ready-to-use finish coat render in different gradings
- Suitable water repellency

BASE COAT:



INTONACO 700
Base coat bio-plaster and render made from natural hydraulic lime NHL 3.5.

FINISH:



FINITURA IDROFUGATA 756
Bio water repellent wall coating made from NHL 3.5 natural hydraulic lime for exteriors and interiors.



FINITURA 750
Bio finish coat plaster and render made from NHL 3.5 natural hydraulic lime for the restoration of damp masonry, with marmorino effect.



FASSANET 160
Alkali-resistant fibreglass reinforcing mesh, 160 g/m².

PRIMER AND DECORATIVE COAT:



FX 526
Universal pigmented primer undercoat for interiors and exteriors.



RSR 421
Compact, fibre-reinforced and siloxane-enhanced coating for exteriors.



SKIN 432
Protective siloxane finish for exteriors.



FASSIL P 313
Smooth water-based silicate mineral paint for exteriors and interiors.

2B RENDERING ONTO MEDIUM DENSE BLOCKWORK

1 INTONACO 700

3 FASSANET 160

5 RSR 421

2 FINITURA
IDROFUGATA 756/
FINITURA 750

4 FX 526

6 SKIN 432/
FASSIL P 313



3A

Rendering onto brickwork - PURACALCE for dry walls

Hydrated lime rendering cycle for brick walls, using products from the PURACALCE line to give the substrate high breathability.

The undercoat ensures uniform substrate absorption and improves adhesion of the base coat; the choice of a ready-to-use finish coat render ensures a wide variety of colours in different gradings; the siloxane protective finish gives the surface suitable water repellency.

- High breathability
- Ready-to-use finish coat render in different gradings
- Suitable water repellency

UNDERCOAT:



S 650
Bio white undercoat for the restoration of damp masonry, for interiors and exteriors.

BASE COAT:



KB 13
Bio lime base coat plaster and render, with marmorino effect.



K 1710
Bio traditional fibre-reinforced base coat plaster and render made from pure nano-lime with pozzolanic effect.

FINISH COAT:



S 605
Bio white finish coat plaster and render for the restoration of damp masonry, with marmorino effect.



FASSANET 160
Alkali-resistant fibreglass reinforcing mesh, 160 g/m².

PRIMER AND DECORATIVE COAT:



FX 526
Universal pigmented primer undercoat for interiors and exteriors.



RSR 421
Compact, fibre-reinforced and siloxane-enhanced coating for exteriors.



SKIN 432
Protective siloxane finish for exteriors.



FASSIL P 313
Smooth water-based silicate mineral paint for exteriors and interiors.

Rendering onto brickwork - EX NOVO for dry walls

Natural hydraulic lime NHL 3.5 rendering cycle for brick walls with products from the EX NOVO line, which combine good mechanical strength and high breathability. The undercoat ensures uniform substrate absorption and improves adhesion of the base coat; the choice of a ready-to-use finish coat render ensures a wide variety of colours in different gradings; the siloxane protective finish gives the surface suitable water repellency.

- High breathability
- Good mechanical strength
- Ready-to-use finish coat render in different gradings
- Suitable water repellency

UNDERCOAT:



RINZAFFO 720
Bio undercoat made from NHL 3.5 natural hydraulic lime for the restoration of damp masonry, for interiors and exteriors.

BASE COAT:



INTONACO 700
Base coat bio-plaster and render made from natural hydraulic lime NHL 3.5.

FINISH COAT:



FINITURA IDROFUGATA 756
Bio water repellent wall coating made from NHL 3.5 natural hydraulic lime for exteriors and interiors.



FINITURA 750
Bio finish coat plaster and render made from NHL 3.5 natural hydraulic lime for the restoration of damp masonry, with marmorino effect.



FASSANET 160
Alkali-resistant fibreglass reinforcing mesh, 160 g/m².

PRIMER AND DECORATIVE COAT:



FX 526
Universal pigmented primer undercoat for interiors and exteriors.



RSR 421
Compact, fibre-reinforced and siloxane-enhanced coating for exteriors.



SKIN 432
Protective siloxane finish for exteriors.



FASSIL P 313
Smooth water-based silicate mineral paint for exteriors and interiors.

3B RENDERING ONTO BRICKWORK - EX NOVO for dry walls

1 RINZAFFO 720

2 INTONACO 700

3 FINITURA IDROFUGATA 756/
FINITURA 750

4 FASSANET 160

5 FX 526

6 RSR 421

7 SKIN 432/
FASSIL P 313



3c

Rendering onto brickwork - PURACALCE for damp walls (textured finish)

Hydrated lime rendering cycle for brick walls affected by rising damp. The dehumidifying cycle involves application across the entire surface of a sulphate-resistant undercoat and a macroporous render, no less than 25 mm thick; the macropores inside the latter are able to capture more salts than traditional renders. The PURACALCE line products ensure high substrate breathability; the finish coat render, reinforced with alkali-resistant fibreglass mesh, reduces tensions and thus minimises the risk of hairline cracks forming. For a final rustic effect, the application cycle can be completed with a ready-to-use silicone finish coat render, available in different gradings and combining the highest water repellency and breathability values. Alternatively, the cycle can be completed using a silicone paint.

- High breathability and water repellency
- Dehumidifying cycle for damp walls
- Rustic finish

UNDERCOAT:



S 650
Bio white undercoat for the restoration of damp masonry, for interiors and exteriors.

BASE COAT:



S 639
Bio white plaster and render for the restoration of damp masonry, with marmorino effect.



KB 13
Bio lime base coat plaster and render, with marmorino effect.



K 1710
Bio traditional fibre-reinforced base coat plaster and render made from pure nano-lime with pozzolanic effect.

FINISH COAT:



S 605
Bio white finish coat plaster and render for the restoration of damp masonry, with marmorino effect.



FASSANET 160
Alkali-resistant fibreglass reinforcing mesh, 160 g/m².

PRIMER AND DECORATIVE COAT:



FS 412
Primer for silicone resin coating cycles for exteriors.



RSR 421
Compact, fibre-reinforced and siloxane-enhanced coating for exteriors.



PS 403
Highly breathable paint for exteriors.

3D

Rendering onto brickwork - PURACALCE for damp walls (smooth finish)

Hydrated lime rendering cycle for brick walls affected by rising damp. The dehumidifying cycle involves application across the entire surface of a sulphate-resistant undercoat and a macroporous render, no less than 25 mm thick; the macropores inside the latter are able to capture more salts than traditional plasters or renders. The PURACALCE line products ensure high substrate breathability; the finish coat render, reinforced with alkali-resistant fibreglass mesh, reduces tensions in the substrate and thus minimises the risk of hairline cracks forming. To obtain a smooth finish and maintain breathability of the substrate, a hydrated lime mineral smooth coat can be used; this will then be protected by a silicone paint to ensure suitable water repellency.

- High breathability and water repellency
- Dehumidifying cycle for damp walls
- Mineral finish
- Smooth effect

UNDERCOAT:



S 650
Bio white undercoat for the restoration of damp masonry, for interiors and exteriors.

BASE COAT:



S 639
Bio white plaster and render for the restoration of damp masonry, with marmorino effect.



KB 13
Bio lime base coat plaster and render, with marmorino effect.



K 1710
Bio traditional fibre-reinforced base coat plaster and render made from pure nano-lime with pozzolanic effect.

FINISH COAT:



S 605
Bio white finish coat plaster and render for the restoration of damp masonry, with marmorino effect.



FASSANET 160
Alkali-resistant fibre-glass reinforcing mesh, 160 g/m².



LC7 BIOLISCIO
Smooth finish coat plaster and render, cement-free, made from lime and pozzolanic binders.

PRIMER AND DECORATIVE COAT:



FS 412
Primer for silicone resin coating cycles for exteriors.



PS 403
Highly breathable paint for exteriors.

3D RENDERING ONTO BRICKWORK - PURACALCE for damp walls (smooth finish)

- 1 S 650
- 2 S 639
- 3 KB 13/K 1710
- 4 S 605
- 5 FASSANET 160
- 6 LC7 BIOLISCIO
- 7 FS 412
- 8 PS 403



Rendering onto brickwork - EX NOVO for damp walls

Natural hydraulic lime rendering cycle for brick walls affected by rising damp. The dehumidifying cycle involves application across the entire surface of a sulphate-resistant undercoat and a macroporous render, no less than 25 mm thick; the macropores inside the latter are able to capture more salts than traditional plasters or renders. The EX NOVO line products combine good mechanical strength and high breathability, and are especially suitable for application on historic buildings; the finish coat render, reinforced with alkali-resistant fibreglass mesh, reduces tensions in the substrate and thus minimises the risk of hairline cracks forming, and is available in finer or coarser gradings, depending on the desired aesthetic effect. For a final rustic effect, the application cycle can be completed with a silicone finish coat render; the product, ready-to-use, is available in different gradings and colours, and combines the highest water repellency and breathability values. Alternatively, the cycle can be completed using a silicone paint.

- High breathability and water repellency
- Dehumidifying cycle for damp walls
- Good mechanical strength
- Rustic finish

UNDERCOAT:



RINZAFFO 720
Bio undercoat made from NHL 3.5 natural hydraulic lime for the restoration of damp masonry, for interiors and exteriors.

BASE COAT:



INTONACO MACROPOROSO 717
Bio base coat plaster and render made from NHL 3.5 natural hydraulic lime for the restoration of damp masonry.



INTONACO 700
Base coat bio-plaster and render made from natural hydraulic lime NHL 3.5.

FINISH COAT:



FINITURA IDROFUGATA 756
Bio water repellent wall coating made from NHL 3.5 natural hydraulic lime for exteriors and interiors.



FINITURA 750
Bio finish coat plaster and render made from NHL 3.5 natural hydraulic lime for the restoration of damp masonry, with marmorino effect.



FASSANET 160
Alkali-resistant fibreglass reinforcing mesh, 160 g/m².

PRIMER AND DECORATIVE COAT:



FS 412
Primer for silicone resin coating cycles for exteriors.



RSR 421
Compact, fibre-reinforced and siloxane-enhanced coating for exteriors.



PS 403
Highly breathable paint for exteriors.

3E RENDERING ONTO BRICKWORK - EX NOVO for damp walls

1 RINZAFFO 720

3 INTONACO 700

5 FASSANET 160

7 RSR 421

2 INTONACO
MACROPOROSO 717

4 FINITURA IDROFUGATA 756/
FINITURA 750

6 FS 412

8 PS 403



4A

Rendering onto old stones - PURACALCE for dry walls

Hydrated lime rendering cycle for stone walls, using products from the PURACALCE line to give the substrate high breathability.

The undercoat ensures uniform substrate absorption and improves adhesion of the base coat; the choice of a ready-to-use finish coat render ensures a wide variety of colours in different gradings; the siloxane protective finish gives the surface suitable water repellency.

- High breathability
- Ready-to-use finish coat render in different gradings
- Suitable water repellency

UNDERCOAT:



S 650
Bio white undercoat for the restoration of damp masonry, for interiors and exteriors.

BASE COAT:



KB 13
Bio lime base coat plaster and render, with marmorino effect.



K 1710
Bio traditional fibre-reinforced base coat plaster and render made from pure nano-lime with pozzolanic effect.

FINISH COAT:



S 605
Bio white finish coat plaster and render for the restoration of damp masonry, with marmorino effect.



FASSANET 160
Alkali-resistant fibreglass reinforcing mesh, 160 g/m².

PRIMER AND DECORATIVE COAT:



FX 526
Universal pigmented primer undercoat for interiors and exteriors.



RSR 421
Compact, fibre-reinforced and siloxane-enhanced coating for exteriors.



SKIN 432
Protective siloxane finish for exteriors.



FASSIL P 313
Smooth water-based silicate mineral paint for exteriors and interiors.

4A RENDERING ONTO OLD STONES - PURACALCE for dry walls

- 1 S 650
- 2 KB 13/
K 1710
- 3 S 605
- 4 FASSANET 160
- 5 FX 526
- 6 RSR 421
- 7 SKIN 432/
FASSIL P 313



4B

Rendering onto old stones - EX NOVO for dry walls

Natural hydraulic lime NHL 3.5 rendering cycle for stone walls with products from the EX NOVO line, which combine good mechanical strength and high breathability.

The undercoat ensures uniform substrate absorption and improves adhesion of the base coat; the choice of a ready-to-use finish coat render ensures a wide variety of colours in different gradings; the siloxane protective finish gives the surface suitable water repellency.

- High breathability
- Good mechanical strength
- Ready-to-use finish coat render in different gradings
- Suitable water repellency

UNDERCOAT:



RINZAFFO 720
Bio undercoat made from NHL 3.5 natural hydraulic lime for the restoration of damp masonry, for interiors and exteriors.

BASE COAT:



INTONACO 700
Base coat bio-plaster and render made from natural hydraulic lime NHL 3.5.

FINISH COAT:



FINITURA IDROFUGATA 756
Bio water repellent wall coating made from NHL 3.5 natural hydraulic lime for exteriors and interiors.



FINITURA 750
Bio finish coat plaster and render made from NHL 3.5 natural hydraulic lime for the restoration of damp masonry, with marmorino effect.



FASSANET 160
Alkali-resistant fibreglass reinforcing mesh, 160 g/m².

PRIMER AND DECORATIVE COAT:



FX 526
Universal pigmented primer undercoat for interiors and exteriors.



RSR 421
Compact, fibre-reinforced and siloxane-enhanced coating for exteriors.



SKIN 432
Protective siloxane finish for exteriors.



FASSIL P 313
Smooth water-based silicate mineral paint for exteriors and interiors.

4B RENDERING ONTO OLD STONES - EX NOVO for dry walls

1 RINZAFFO 720

2 INTONACO 700

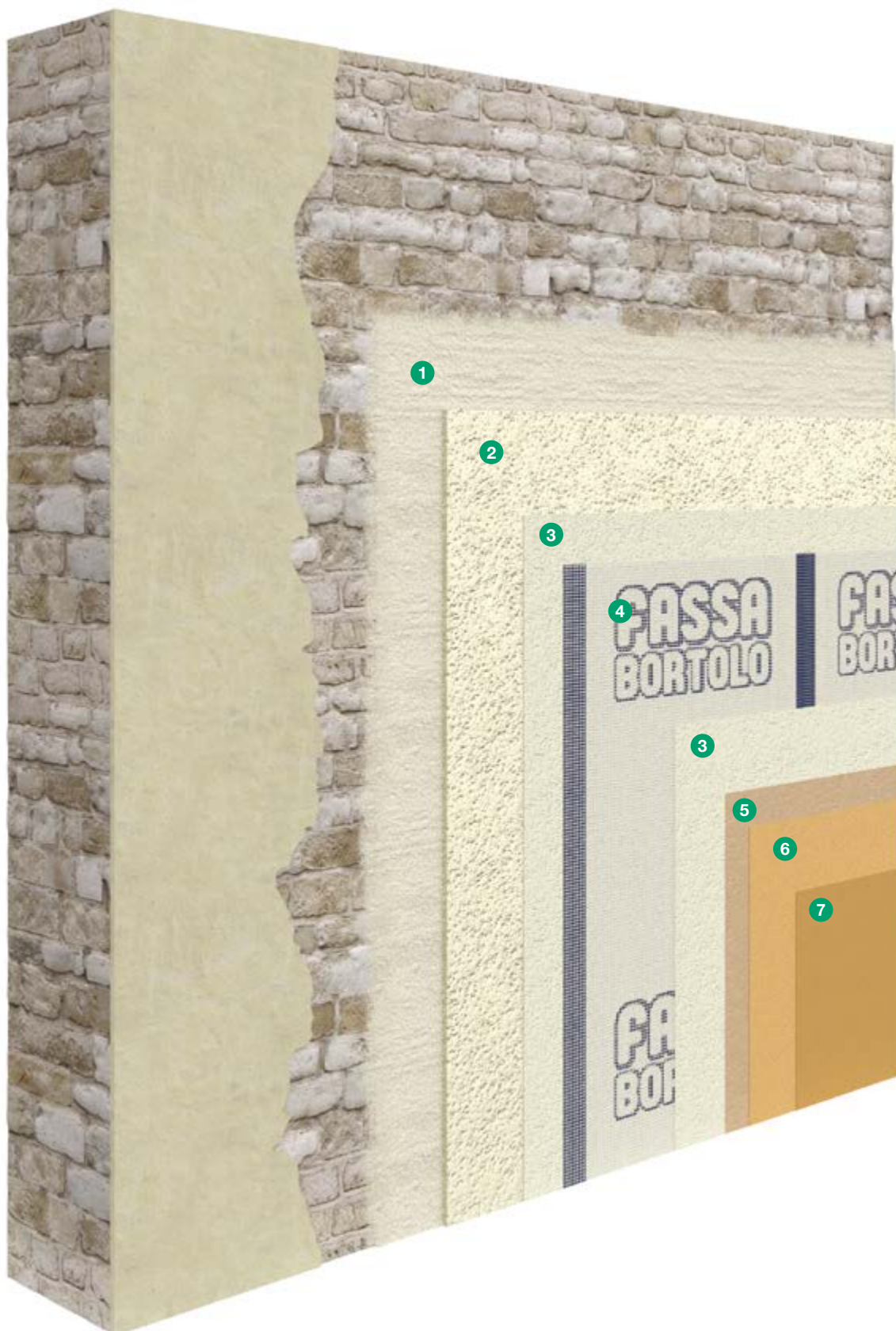
3 FINITURA IDROFUGATA 756/
FINITURA 750

4 FASSANET 160

5 FX 526

6 RSR 421

7 SKIN 432/
FASSIL P 313



4c

Rendering onto old stones - PURACALCE for damp walls (textured finish)

Hydrated lime dehumidifying rendering cycle for stone walls affected by rising damp. The dehumidifying cycle involves application across the entire surface of a sulphate-resistant undercoat and a macroporous render, no less than 25 mm thick; the macropores inside the latter are able to capture more salts than traditional plasters or renders.

The PURACALCE line products ensure high substrate breathability; the finish coat render, reinforced with alkali-resistant fibreglass mesh, reduces tensions and thus minimises the risk of hairline cracks forming. For a final rustic effect, the application cycle can be completed with a ready-to-use silicone finish coat render, available in different gradings and combining the highest water repellency and breathability values. Alternatively, the cycle can be completed using a silicone paint.

- High breathability and water repellency
- Dehumidifying cycle for damp walls
- Rustic finish

UNDERCOAT:



S 650
Bio white undercoat for the restoration of damp masonry, for interiors and exteriors.

BASE COAT:



S 639
Bio white plaster and render for the restoration of damp masonry, with marmorino effect.



KB 13
Bio lime base coat plaster and render, with marmorino effect.



K 1710
Bio traditional fibre-reinforced base coat plaster and render made from pure nano-lime with pozzolanic effect.

FINISH COAT:



S 605
Bio white finish coat plaster and render for the restoration of damp masonry, with marmorino effect.



FASSANET 160
Alkali-resistant fibreglass reinforcing mesh, 160 g/m².

PRIMER AND DECORATIVE COAT:



FS 412
Primer for silicone resin coating cycles for exteriors.



RSR 421
Compact, fibre-reinforced and siloxane-enhanced coating for exteriors.



PS 403
Highly breathable paint for exteriors.

4D

Rendering onto old stones - PURACALCE for damp walls (smooth finish)

Hydrated lime dehumidifying rendering cycle for stone walls affected by rising damp. The dehumidifying cycle involves application across the entire surface of a sulphate-resistant undercoat and a macroporous render, no less than 25 mm thick; the macropores inside the latter are able to capture more salts than traditional renders. The PURACALCE line products ensure high substrate breathability; the finish coat render, reinforced with alkali-resistant fibreglass mesh, reduces tensions in the substrate and thus minimises the risk of hairline cracks forming. To obtain a smooth finish and maintain breathability of the substrate, a hydrated lime mineral smooth coat can be used; this will then be protected by a silicone paint to ensure suitable water repellency.

- High breathability and water repellency
- Dehumidifying cycle for damp walls
- Mineral finish
- Smooth effect

UNDERCOAT:

**S 650**

Bio white undercoat for the restoration of damp masonry, for interiors and exteriors.

BASE COAT:

**S 639**

Bio white plaster and render for the restoration of damp masonry, with marmorino effect.

**KB 13**

Bio lime base coat plaster and render, with marmorino effect.

**K 1710**

Bio traditional fibre-reinforced base coat plaster and render made from pure nano-lime with pozzolanic effect.

FINISH COAT:

**S 605**

Bio white finish coat plaster and render for the restoration of damp masonry, with marmorino effect.

**FASSANET 160**

Alkali-resistant fibre-glass reinforcing mesh, 160 g/m².

**LC7 BIOLISCIO**

Smooth finish coat plaster and render, cement-free, made from lime and pozzolanic binders.

PRIMER AND DECORATIVE COAT:

**FS 412**

Primer for silicone resin coating cycles for exteriors.

**PS 403**

Highly breathable paint for exteriors.

4D RENDERING ONTO OLD STONES - PURACALCE for damp walls (smooth finish)

- 1 S 650
- 2 S 639
- 3 KB 13/K 1710
- 4 S 605
- 5 FASSANET 160
- 6 LC7 BIOLISCIO
- 7 FS 412
- 8 PS 403



Rendering onto old stones - EX NOVO for damp walls

Natural hydraulic lime NHL 3.5 dehumidifying rendering cycle for stone walls affected by rising damp. The dehumidifying cycle involves application across the entire surface of a sulphate-resistant undercoat and a macroporous render, no less than 25 mm thick; the macropores inside the latter are able to capture more salts than traditional plasters or renders. The EX NOVO line products combine good mechanical strength and high breathability, and are especially suitable for application on historic buildings; the finish coat render, reinforced with alkali-resistant fibreglass mesh, reduces tensions in the substrate and thus minimises the risk of hairline cracks forming, and is available in finer or coarser gradings, depending on the desired aesthetic effect. For a rustic finish, the application cycle can be completed with a silicone finish coat render; the product, ready-to-use, is available in different gradings and combines the highest water repellency and breathability values. Alternatively, the cycle can be completed using a silicone paint.

- High breathability and water repellency
- Dehumidifying cycle for damp walls
- Good mechanical strength
- Rustic finish

UNDERCOAT:



RINZAFFO 720
Bio undercoat made from NHL 3.5 natural hydraulic lime for the restoration of damp masonry, for interiors and exteriors.

BASE COAT:



INTONACO MACROPOROSO 717
Bio base coat plaster and render made from NHL 3.5 natural hydraulic lime for the restoration of damp masonry.



INTONACO 700
Base coat bio-plaster and render made from natural hydraulic lime NHL 3.5.

FINISH COAT:



FINITURA IDROFUGATA 756
Bio water repellent wall coating made from NHL 3.5 natural hydraulic lime for exteriors and interiors.



FINITURA 750
Bio finish coat plaster and render made from NHL 3.5 natural hydraulic lime for the restoration of damp masonry, with marmorino effect.



FASSANET 160
Alkali-resistant fibreglass reinforcing mesh, 160 g/m².

PRIMER AND DECORATIVE COAT:



FS 412
Primer for silicone resin coating cycles for exteriors.



RSR 421
Compact, fibre-reinforced and siloxane-enhanced coating for exteriors.



PS 403
Highly breathable paint for exteriors.

4E RENDERING ONTO OLD STONES - EX NOVO for damp walls

1 RINZAFFO 720

3 INTONACO 700

5 FASSANET 160

7 RSR 421

2 INTONACO
MACROPOROSO 717

4 FINITURA IDROFUGATA 756/
FINITURA 750

6 FS 412

8 PS 403







PRODUCTS

RENDERS



RENTERS

KB 13

Bio lime base coat plaster and render, with marmorino effect.



K 1710

Bio traditional fibre-reinforced base coat plaster and render made from pure nano-lime with pozzolanic effect.



KB 13 is a dry mortar composed of natural lime, hydraulic binder, crushed marble and graded limestone sand.

KB 13 is used as a base coat plaster/render on walls made of bricks, concrete blocks, rough concrete etc. For special underlays you need to follow the instructions of the supplier.

Grading	< 1.5 mm
Yield	approx. 13 kg/m ² with 10 mm thickness
Minimum thickness	10 mm
Specific weight of the powder	approx. 1,400 kg/m ³
Compressive strength after 28 days (EN 1015-11)	approx. 2.5 N/mm ²
Water vapour diffusion resistance factor (EN 1015-19)	$\mu \leq 8$ (measured value)
Supply	Special sacks with protection against moisture, approx. 25 kg.



K 1710 is used as a base coat plaster/render on old and new walls made from stone, bricks, tuff, etc. The elasticity of the plaster and its fibre content mean it can also be used, in accordance with the instructions shown in the material data sheet, on mechanically weak substrates, such as masonry made of stones and/or bricks (restoration works in general).

Grading	< 3 mm
Yield	approx. 14.5 kg/m ² with 10 mm thickness
Specific weight of the powder	approx. 1,400 kg/m ³
Minimum thickness	10 mm
Compressive strength after 28 days (EN 1015-11)	approx. 2.5 N/mm ²
Supply	Special sacks with protection against moisture, approx. 25 kg.

RENDERS

S 650

Bio white undercoat for the restoration of damp masonry, for interiors and exteriors.



S 639

Bio white plaster and render for the restoration of damp masonry, with marmorino effect.



S 650 is a white dry mortar made from natural lime, sulphate-resistant hydraulic binder and graded limestone sands.

S 650 is used as a renovation undercoat for damp walls to promote the adhesion of the renovation plaster S 639 to the wall, by enhancing the anti-saline action of the latter.

S 639 is a dry white plaster/render made from natural lime, sulphate-resistant hydraulic binder, marble powder, graded sands, water-repellent material and specific additives designed to improve workability, adhesion and breathability.

S 639 is used as a base coat plaster/render with application by hand or machine for the restoration of damp masonry.

Grading	< 3 mm
Yield	approx. 3-5 kg/m ²
Thickness	4-5 mm
Compressive strength after 28 days (EN 1015-11)	11 N/mm ² (CSIV: > 6 N/mm ²)
Water vapour diffusion resistance factor (EN 1015-19)	$\mu \leq 15$ (measured value)
Supply	Special sacks with protection against moisture, approx. 25 kg.

Grading	< 3 mm
Yield	approx. 11.5 kg/m ² with 10 mm thickness
Minimum thickness	20 mm
Compressive strength after 28 days (EN 1015-11)	approx. 3.5 N/mm ²
Supply	Special sacks with protection against moisture, approx. 25 kg.

S 605

Bio white finish coat plaster and render for the restoration of damp masonry, with marmorino effect.



LC7 BIOLISCIO

Smooth finish coat plaster and render, cement-free, made from lime and pozzolanic binders.



S 605 is used as a breathable finish coat plaster/render with marmorino effect. It can be used as a finish coat plaster/render, completing renovation cycles on masonry subject to rising damp.

LC7 BIOLISCIO is a premixed mortar in powder form made from lime, pozzolanic binders and very fine natural aggregate. LC7 BIOLISCIO is used for smooth finishing of interior and exterior plastered surfaces. It can also be used to complete dehumidifying plastering cycles, exploiting the principle of macroporosity. It is particularly suitable for air lime (PURACALCE) and natural hydraulic lime plasters (EX NOVO) and in all cases where high breathability is required.

Grading	< 0.6 mm
Yield	approx. 1.4 kg/m ² per mm in thickness
Specific weight of the powder	approx. 1,300 kg/m ³
Compressive strength after 28 days (EN 1015-11)	approx. 2.5 N/mm ²
Modulus of elasticity after 28 days	approx. 3.500 N/mm ²
Water vapour diffusion resistance factor (EN 1015-19)	$\mu \leq 12$ (measured value)
Supply	Special sacks with protection against moisture, approx. 25 kg.

Yield	0.7-0.9 kg/m ² per mm in thickness, depending on the substrate
Maximum aggregate size	150 μ m
Water vapour permeability coefficient EN 1015-19	$\mu \leq 8$
Supply	Special sacks with protection against moisture, approx. 20 kg.

RENDERS

RM 200

Bio white mineral-based wall coating for exteriors and interiors.



RINZAFFO 720

Bio undercoat made from NHL 3.5 natural hydraulic lime for the restoration of damp masonry, for interiors and exteriors.



RM 200 is a special wall coating made from natural lime, hydraulic binder, superior graded sands, water repellent material and special additives to improve workability and adhesion. The nature of the raw materials used makes the masonry wall perfectly breathable.

RM 200 is used as decorative plaster/render for exteriors and interiors.

RINZAFFO 720 is used as an undercoat for the restoration of damp masonry, assisting the action of INTONACO MACROPOROSO 717 plaster against rising damp. The product moreover assists the adhesion of hydraulic lime plasters, such as INTONACO 700, to masonry.

Grading	2 mm
Yield	approx. 3.3 kg/m ²
Specific weight of the powder	approx. 1,200 kg/m ³
Compressive strength after 28 days	approx. 3 N/mm ²
Water vapour diffusion resistance factor (EN 1015-19)	$\mu \leq 14$ (measured value)
Supply	Special sacks with protection against moisture, approx. 30 kg. (The product packaging will gradually pass from 30 kg sacks to 25 kg sacks).

Yield	approx. 3-5 kg/m ²
Aggregate grading	< 3 mm
Specific weight of the powder	approx. 1,400 kg/m ³
Thickness	4-5 mm
Water vapour diffusion resistance factor (EN 1015-19)	$\mu \leq 15$ (measured value)
Supply	Special sacks with protection against moisture, approx. 30 kg. (The product packaging will gradually pass from 30 kg sacks to 25 kg sacks).

INTONACO 700

Base coat bio-plaster and render made from natural hydraulic lime NHL 3.5.



INTONACO MACROPOROSO 717

Bio base coat plaster and render made from NHL 3.5 natural hydraulic lime for the restoration of damp masonry.



INTONACO 700 is a dry mortar composed of NHL 3.5 natural hydraulic lime, crushed marble and graded limestone sands.

INTONACO 700 is used as a base coat plaster/render to be applied by hand or machine on new and old brick and/or stone masonry.

Yield	approx. 13 kg/m ² with 10 mm thickness
Specific weight of the powder	approx. 1,450 kg/m ³
Minimum thickness	10 mm
Compressive strength after 28 days (EN 1015-11)	approx. 2.5 N/mm ²
Modulus of elasticity after 28 days	2,500 N/mm ²
Supply	Special sacks with protection against moisture, approx. 25 kg.



INTONACO MACROPOROSO 717 is used as a base coat plaster/render with application by hand or machine for the restoration of damp masonry.

Yield	approx. 11.5 kg/m ² per cm in thickness
Aggregate grading	< 3 mm
Minimum thickness	20 mm
Water vapour diffusion resistance factor (EN 1015-19)	$\mu \leq 8$ (measured value)
Supply	Special sacks with protection against moisture, approx. 25 kg.

FINITURA 750

Bio finish coat plaster and render made from NHL 3.5 natural hydraulic lime for the restoration of damp masonry, with marmorino effect.



FINITURA 750 is used as a finish coat plaster/render with marmorino effect. It can be used as a finish coat plaster/render, completing renovation cycles on masonry subject to rising damp.

Yield	approx. 1.4 kg/m ² per mm in thickness
Aggregate grading	< 0.6 mm
Specific weight of the powder	approx. 1,300 kg/m ³
Water vapour diffusion resistance factor (EN 1015-19)	$\mu \leq 12$ (measured value)
Supply	Special sacks with protection against moisture, approx. 25 kg.

FINITURA IDROFUGATA 756

Bio water repellent wall coating made from NHL 3.5 natural hydraulic lime for exteriors and interiors.



FINITURA IDROFUGATA 756 is a special water-repellent, sulphate-resistant wall coating, made of NHL 3.5 natural hydraulic lime and superior graded sands.

The nature of the raw materials used makes the masonry wall perfectly breathable.

FINITURA IDROFUGATA 756 is used as a protective and decorative coating for interiors and exteriors on base coat plasters/renders with a hydraulic lime base, such as INTONACO 700 and INTONACO MACROPOROSO 717.

Yield	approx. 2 kg/m ²
Aggregate grading	< 1 mm
Specific weight of the powder	approx. 1,200 kg/m ³
Compressive strength after 28 days	approx. 2.5 N/mm ²
Supply	Special sacks with protection against moisture, approx. 25 kg.

FASSANET 160

Alkali-resistant fibreglass reinforcing mesh, 160 g/m².



FASSANET 160 is a product made from the weaving of high quality fibreglass yarns, which then undergoes special treatment with impregnation to make the mesh alkali-resistant.

FASSANET 160 must be used to reinforce skim-coats applied on plasters or on thermal insulation panels before applying the finishing coat.

Fibreglass	81%
Mass per unit area (alkali-resistant mesh)	155 g/m ² ± 5%
Supply	50 m rolls, 1 m wide

PRIMER AND DECORATIVE COAT



PRIMER AND DECORATIVE COAT

FX 526

Universal pigmented primer undercoat for interiors and exteriors.



FX 526 is a pigmented undercoat made from special copolymers in aqueous emulsion, graded aggregate, titanium dioxide, pigments and specific additives to improve adhesion and application.

FX 526 is used in interiors and exteriors as a filling primer-undercoat that, thanks to its hiding power and levelling properties, creates a coloured, uniform surface. It is used on lime and lime-cement finish coat and skim coat plasters and renders before applying water-based coatings, such as RAR 256, RTA 549, RSR 421, RX 561, FASSIL R 336, and water-based paints. The fine aggregate used improves anchoring of the finish both on external thermal insulation composite systems and on already painted masonry substrates.

Grading	approx. 0.2 mm
Dilution	(with water) approx. 5%
Specific weight	approx. 1.61 kg/l
Consumption (**)	from 200 to 250 g/m ² (from 0.12-0.16 l/m ²) per layer
Yield (**)	6-8 m ² /l per layer
Supply	Buckets of approx. 5 and 14 l - Tints: a selection from our 365 A YEAR OF COLORS swatchbook

(**) The consumption and yield values refer to the white product applied on smooth substrates of average absorbance; these should be verified by preliminary tests on the specific substrate, in relation to the chosen colour.

FS 412

Primer for silicone resin coating cycles for exteriors.



FS 412 is a primer made from acrylic copolymers in aqueous emulsion enriched with special water-based polysiloxanes.

FS 412 is used as an insulating or stabilising primer on lime-cement plasters and renders before applying the HYDROSILICON SYSTEM finish products, without modifying the breathability of the substrate.

Yield (**)	approx. 7-9 m ² /l
Consumption (**)	approx. 100-150 g/m ²
Specific weight (EN ISO 2811-1)	approx. 1 kg/l
Supply	Containers of approx. 16 l

(**) The consumption and yield values refer to the product applied on smooth substrates of average absorbance; these should be verified by preliminary tests on the specific substrate.

PRIMER AND DECORATIVE COAT

PS 403

Highly breathable paint for exteriors.



PS 403 is a breathable and decorative paint for exteriors with a mineral appearance. The nature of the raw materials used makes PS 403 suitable for application on any type of exterior finish coat render, especially on restoration systems (including dehumidifying systems) and when requiring high breathability, water repellency and good weatherproof properties.

Yield (**)	4-5 m ² /l for finished work (2 layers)
Consumption (**)	160-200 g/m ² (0.10-0.13 l/m ²) per layer
Specific weight (EN ISO 2811-1)	approx. 1.58 kg/l
Supply	Containers of approx. 14 l - Tints: a selection from our 365 A YEAR OF COLORS swatchbook

(**) The values refer to white product applied on smooth substrates of average absorbance; these should be verified by preliminary tests on the specific substrate, in relation to the chosen colour.

SKIN 432

Protective siloxane finish for exteriors.



SKIN 432 is a water-based paint made from the latest generation organic copolymers and enriched with special siloxane resins in aqueous emulsion, graded aggregates, titanium dioxide, pigments and specific additives to improve application and give the product higher broad-spectrum protection against the growth of algae and mould species.

SKIN 432 is used as a high-performance protective and decorative paint for exteriors, white or coloured, on both new and existing lime, lime-cement finish coat renders, concrete, etc.

Yield (**)	4-5 m ² /l for finished work (2 layers)
Consumption (**)	150-200 g/m ² (0.10-0.13 l/m ²) per layer
Specific weight (EN ISO 2811-1)	approx. 1.52-1.56 kg/l (depending on the base colour)
Supply	Containers of approx. 14 l - Tints: a selection from our 365 A YEAR OF COLORS swatchbook

(**) The values refer to white product applied on smooth substrates of average absorbance; these should be verified by preliminary tests on the specific substrate, in relation to the chosen colour.

FASSIL P 313

Smooth water-based silicate mineral paint for exteriors and interiors.



RSR 421

Compact, fibre-reinforced and siloxane-enhanced coating for exteriors.



FASSIL P 313 is a water-based paint made from stabilised hydrophobic potassium silicate and special water-based organic binders with very high breathability, graded aggregates, titanium dioxide and specific additives to improve applicability and workability.

FASSIL P 313 is used as a protective and decorative, white and coloured paint on exterior and interior finish coat plasters. The nature of the raw materials used ensures suitable protection of the foundation plasters maintaining the breathability of the masonry.

Yield (**)	approx. 3.5-4.5 m ² /l for finished work (2 layers)
Consumption (**)	approx. 160-200 g/m ² (0.11-0.14 l/m ²) per layer
Specific weight (EN ISO 2811-1)	approx. 1.47 kg/l
Supply	Containers of approx. 5 and 14 l Tints: a selection from our 365 A YEAR OF COLORS swatchbook

(**) The consumption and yield values refer to the white product applied on smooth substrates of average absorbance; these should be verified by preliminary tests on the specific substrate, in relation to the chosen colour.



RSR 421 is a finish coat paste for exteriors made from special water-based siloxane binders and organic binders in aqueous emulsion, which together provide breathability, water repellency and excellent weather resistance. Special molecules also provide the product broad-spectrum protection against algae and mould species.

RSR 421 is used as a protective and decorative coating, white and coloured, on lime-cement base coatings for exteriors, including in dehumidifying cycles and on external thermal insulation composite systems, especially where both high breathability and low water absorption are needed.

Gradings*	0.6 - 1 - 1.5 mm
Specific weight	approx. 1.85 kg/l
Supply	Containers of approx. 25 kg - Tints: a selection from our 365 A YEAR OF COLORS swatchbook

* ETA and BBA certificates available for the gradings 1 and 1.5 mm only.

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