

VERSION

6G

«Castelatto

**TECHNICAL
INSTRUCTION MANUAL**

MOSAICS

**CRYSTALLI - ETRUSCO - GREZZO - IGNIS - LUCCE
MADEYRA VECCHIA - OXYDEN - PARIS - PACIFIC**

MOSAICS

**CRYSTALLI - ETRUSCO - GREZZO - IGNIS - LUCCE
MADEYRA VECCHIA - OXYDEN - PARIS - PACIFIC**

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CONGRATULATIONS!

You have acquired a high quality differentiated product. To keep its characteristics it is necessary to have special precautions in its installation. We recommend the installation of the material being accompanied by qualified professionals: architects, engineers and building technicians, and laid by professionals specialized in laying marble, granite and concrete slabs. To hire a professional in laying the product that guarantees the success of his service is as important as purchasing a quality product.

Please read these instructions carefully before laying the material, so that you can fully enjoy the durability, beauty and innovation of our products. If you have any questions or want more information, please visit our website www.castelatto.com, or send an email to sac@castelatto.com.br or contact us by phone **55 11 4416-6900**.

2. PRODUCT

The floors and coverings Castelatto are crafted, so they may vary slightly in dimensions and colors, besides small marks in its edges. They are pieces of concrete of high performance and present as advantages of this material, high mechanic resistance and high durability, once installed correctly.

3. INFORMATION

Castelatto has a **YouTube** channel with video lessons of laying our products. We also have a **Frequently Asked Questions** page on our website, go to www.castelatto.com.br and check all the information.

4. RECEPTION

- Choose someone you trust to be responsible for receiving and checking the material.
- Check the material as requested. If you notice any irregularities, follow the procedures described in item - DELIVERY AND CUSTOMER SERVICE.

5. STORAGE

- The product is sensitive to stains before applying the protection therefore it requires special care in transportation and handling.
- Those responsible for the unloading and storing of the product must have their hands clean or wear gloves to keep the pieces unstained.
- The material must be stored in a clean area, preferably covered, and the floor must be lined with plastic (do not use cardboard).
- Cover the pieces with plastic.



CAUTION

- We recommend not storing the pieces for a long time because they tend to create stains. This is a natural process of the concrete, and they are not considered a product defect.
 - It is very important to have someone qualified to supervise the moment of storing to avoid irreparable damage to the product.
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6. PLANNING THE INSTALLATION AREA

- Do the cleaning of the plaster by removing all types of waste.



- Perform inspection of the base. If necessary, make regularizations.



- Proof the plaster.
 - Check the moisture conditions of the subfloor. If there are signs of moisture and efflorescence, review the conditions of drainage and waterproofing performed.
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6.1. JOINTS DEFINITION

- **Joints of movement:** on large areas, the joint of movement ensures that if the slab moves due to temperature variations, the laid coating remains intact. The joint must be at least 10 mm and should limit the paved rooms in maximum areas of 8 m.

7. PAGING

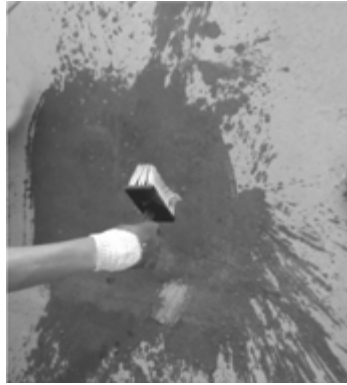
- The paging of the pieces must be given to the customer by the store at the time of the request approval.
 - We recommend that the design instructions given upon sale are properly followed in order to ensure correct positioning of the pieces and an aesthetic result of excellence.
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8. LAYING

- The laying of Castelatto covering has to be, preferentially, the last stage of the construction (even after the execution of the garden). It prevents the covering to get damage.
- The Luce line should not be laid in facades, subjected to weather conditions.
- The floors and coverings must be laid on a subfloor/plaster properly waterproofed, with a minimum of 21 days of cure and exempt of any dirt or dust.
- It is important to eliminate any remaining dirt, dust or cement on the face of the laid piece.
- Use a steel bristle brush and remove the dust with a damp sponge.



- Use flexible gluing mortar specified for large formats (follow instructions of the manufacturer and pay attention to the time suggested for the post-laying traffic). For light colors, always prefer mortar in white.
- Due to its handmade process, the inner face of the covering shows some irregularity, which should be compensated in the mortar, thus ensuring its correct leveling.
- Moisten the plaster.



- For the application of the mortar already prepared in the plastering, a 10 mm notched trowel should be used. Apply the mortar with the flat side with an approximate angle of 30°. After this, form ridges on the surface with the notched side with an angle of approximately 60°.



- On the backside of the pieces, repeat the procedure in opposite direction, thus forming crossed ridges in order to get compensation in the crush of the ridges.



- Do not spread mortar in areas of more than 1,5 m² at a time, in order not to exceed the open time indicated by the manufacturer.
- Place the piece on the mortar applied on the floor, at about 5 cm from its final position. Then, press the piece by dragging it until it reaches its final position.



- Check the mortar every 10 laid pieces, removing the piece to verify the correct crushing of the ridges and the percentage of filling on the backside of the pieces.
- If the ridges are not totally crushed, remove all the pieces and start the laying again.
- In case of any doubts contact CSC department of Castelatto.

9. GROUTING

- Grouting does not apply to the Mosaics Lines of Castelatto, which should be laid with dry joint.

10. CLEANING - LINHA LUCCE E OXYDEN

CLEANING IN THE BUILDING SITE

- It is very important, after laying the floor, to keep it covered with plastic until the construction work is completed to avoid any dirt (do not use cardboard).
- Wipe with a dry cloth or duster.
- Do not use acids, not even those cleaning products of acid base recommended for cleaning stones and others.

MAINTENANCE CLEANING

- Wipe with a dry cloth or duster.

10.1 LIMPEZA - PARIS - CRYSTALLI - ETRUSCO MADEYRA VECCHIA - PACIFIC - GREZZO

CLEANING IN THE BUILDING SITE

- It is very important, after laying the covering, to keep it covered with plastic until the construction work is completed to avoid any dirt (do not use cardboard).
- Clean with an alkaline detergent.
- Do not use acids, not even those cleaning products of acid base recommended for cleaning stones and others.
- If any area has spots or is very dirty, consult Castelatto about procedures.
- The post-construction cleaning should be performed, at least, 72 hours after laying.

ALKALINE DETERGENT

- ▶ Indicated for post-construction cleaning and maintenance
- Apply the product.
- Rub with brush or broom using nylon bristles.
- Wash with abundant water (never leave the detergent dry on the piece).



DILUTION

- For general cleaning, dilute the detergent in water 1:10.
- For cleaning during the construction, dilute in water 1:5.
- To remove wax or post-construction cleaning use product UNDILUTED.

DILUTION	TYPE OF CLEANING	YIELD
1:0	POST-CONSTRUCTION CLEANING	5 M ²
1:5	HEAVY CLEANING	30 M ²
1:10	AVERAGE CLEANING	60 M ²
1:20	LIGHT CLEANING	120 M ²

11. PROTECTION

- It is essential to use products that protect the floor and facilitate the maintenance cleaning.
- Before applying any protection, the coating must be completely dry and free of moisture of laying, grouting and cleaning.
- ▶ External areas: the time required for the floor to be completely dry depends on weather conditions, with a minimum of 24 hours.
- ▶ Internal areas: wait at least 48 hours.

11.1 LUCCE LINE

- The Lucce line does not require waterproofing.

11.2 OXYDEN AND IGNIS LINES

SOLVENT BASE SEALING

- ▶ Intensifies the color and form protective film.
- ▶ Increases resistance to scratches and fats.



- Must be applied on completely dry covering (minimum of 72 hours after laying).
- Before starting the protection of the pieces, apply the product on the roll without soaking it and remove excess in the paint tray. It is important not to let the product drip during its application to avoid damaging the final look of the piece.
- Yield per liter (for 1 coat): **8 m²**.

11.3 CRYSTALLI - ETRUSCO - GREZZO - PARIS - PACIFIC

WATER-OIL PROOFING

- ▶ Fungicide and algacide.
 - ▶ The covering does not suffer any esthetic change after application.
 - ▶ Does not form a film on the floor.
 - ▶ Keeps athermic and anti-slip properties and protects the floor of oils and fats.
- It must be applied on clean and dry covering.
 - Apply with sprayer (applicator for garden).
 - Apply two coats, waiting two hours between each application.
 - Final Drying: 12 hours.

Yield per liter (2 coats)

ETRUSCO	PARIS	CRISTALLI	PACIFIC	GREZZO
8 m ²	8 m ²	8 m ²	6 m ²	8 m ²



11.4 MADEYRA VECCHIA

BS200 WB WAX

- ▶ Castelatto exclusivity.
 - ▶ Unique use for Madeyra line.
 - ▶ It causes an aging effect on the piece, characteristic of this line.
 - ▶ Create protective film.
 - ▶ Protects from oils and fats.
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- Apply on the Madeyra mosaic totally free of moisture.
 - Do not apply on rainy days.
 - Shake the can before applying to homogenize the product.
 - Use a brush to apply the product. Cut 5 mm off of the bristles for ease of application.
 - Apply over the surface taking care to the proper filling of it.
 - Wait about 30 minutes to obtain the desired shade.
 - Release of traffic after 24 hours.
 - For cleaning the brush use plenty of water.
 - Yield: **9 m² (1 coat)**



12. DELIVERY AND CUSTOMER SERVICE

ORIENTATION FOR THE CONSUMER WHEN RECEIVING THE PRODUCT

Check whether the product is according to the request. If you notice any irregularities, follow the procedure bellow:

- Record the occurrence on knowledge of the delivery.
 - Report immediately to the resale.
 - You should never install the product if you find any visible defects. According to the Law of the Consumer when a product is installed it is considered accepted.
 - You should always keep your receipt in case of future technical assistance.
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We clarify that the phenomenon of efflorescence is not a defect, as it does not change the structural characteristics of the product.





SAC Castelatto
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