CLASSEN

INSTALLATION INSTRUCTIONS

CERAMIN XL SLABS

EN / REV. 3.6 / 07.26

FEEL GOOD FLOORS

APPLICATIONS

CERAMIN XL slabs are ideally suited as a wall covering in residential and commercial settings for new construction and renovations.
Installing CERAMIN XL slabs is not permissible:

- Outside or in conservatories
- In saunas or steam baths as well as for floors with floor drains (such as washrooms)
- Around burners with an open flame (e.g. gas stove)

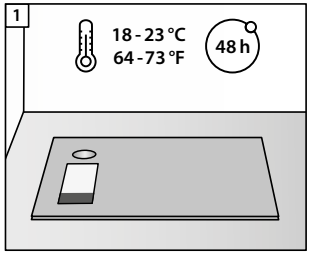
For installation of fireplaces or tiled stoves, the minimum distances shown in the pictogram (2) must be maintained.

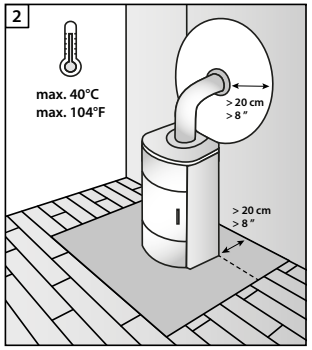
Please note the following installation guidelines when installing in bathroom and shower areas.
For installations of heating fireplaces or tiled stoves, the minimum distances shown in pictogram 1 must be observed.

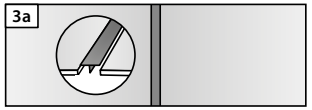
IMPORTANT!
CERAMIN XL slabs must always be firmly bonded to the wall.
Two XL Slabs can be bonded by

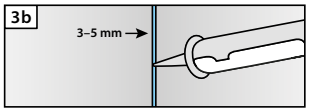
- being applied directly adjacent to each other
- a connection profile (**3a)**
- being grouted (**3b)**

(1) Allow the Ceramin XL slabs to reach room temperature (at least 18°C) for at least 48 hours before installation. Be sure to store the Ceramin XL slabs flat and level!









And now – the installation in 7 steps:

1. CHECKING AND PREPARING THE SUBSTRATE

The substrate must be able to bear a load, permanently dry, clean, free of dust, oil and grease, flat, and rigid. Unevenesses of more than 2 mm/m must be smoothed or evened out.
Loose pieces and coatings that are not waterproof must be removed.

In the case of a renovation, CERAMIN XL slabs can be directly bonded to existing tile. In doing so, the on-site expansion joints must be applied. Unevenesses of more than 2 mm/m and small recesses exceeding 0.5 mm/cm (e.g. in the case of existing tiled surfaces with wide joints) must be evened out with an appropriate filling compound **(4)**.

TIP: We recommend always filling joints with Multi-Connect and a smooth trowel and allowing at least 12 hours for hardening.

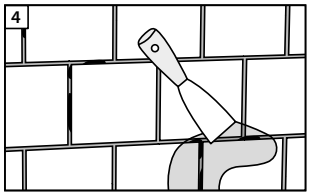
2. PREPARING THE INSTALLATION OF CERAMIN XL SLABS

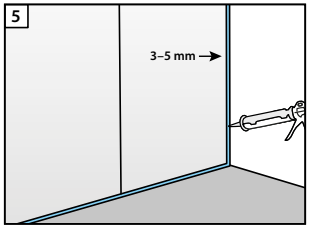
Please note: Border joints should be 5 mm from adjacent surfaces and are grouted with natural stone silicone after the installation is complete following a drying time of at least 12 hours **(5)**.

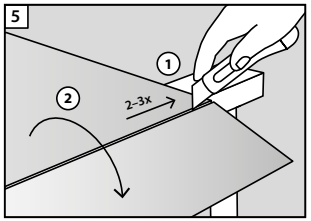
CERAMIN XL slabs are easy to cut. To do this, mark the tiles and score the surface two to three times with a cutter knife along a straightedge or the edge of a try square. Then break at the cut edge over a support (e.g. the edge of a table) **(6)**.
CAUTION: Cut surfaces may have sharp edges! Alternatively, CERAMIN XL slabs can also be cut with a circular saw or jigsaw.

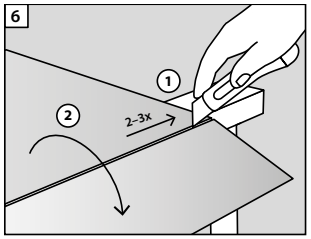
3. CHOOSING THE ADHESIVE AND NOTCHED TROWEL

Full-surface bonding is absolutely necessary. CLASSEN Multi-Connect or one of the recommended adhesives must be used to bond CERAMIN XL slabs. You can find a chart of recommended adhesives and sealants at ***www.classen.com/en/service/downloadbereich/***
Here, please note the respective directions for use provided by the manufacturer!









TIP: Material and application conditions may affect the reaction of the adhesive differently, therefore we recommend you perform a prior practice test.

Please note: Although we recommend a variety of adhesives from other adhesive manufacturers, we do not assume any guarantee or liability for the specified products!
We recommend adhesives solely based on the statements of the respective manufacturers bearing exclusive responsibility for their suitability. For more information regarding suitability, please contact the customer service department of the adhesive manufacturers.

The choice of the proper notched trowel for applying the adhesive depends on the substrate.
Use a notched trowel that corresponds to the adhesive recommendation – although one of at least B+C sizes.

The following applies for CLASSEN Multi-Connect:

Even substrates:	500-600 g/m² – notched trowel B1
Rough substrates:	600-800 g/m² – notched trowel B3
Existing tiles:	ca. 1000-1300 g/m² – notched trowel C1

TIP: Do not use worn tools.

4. APPLYING THE ADHESIVE

The substrate should be sufficiently moistened so that fullest possible surface contact is ensured between the adhesive and tile. The adhesive is applied to the wall. Coating both the back of the XL slab AND the wall surface is not necessary! Ensure an even distribution of the adhesive and a clearly distinctive groove formation **(7)**.

Apply only as much adhesive as you need for adhering one XL slab. Apply the adhesive quickly. The application time (time, in which the adhesive has not yet hardened) is no more than 40 min. **(8). Higher temperatures and high humidity decrease the application time considerably!**

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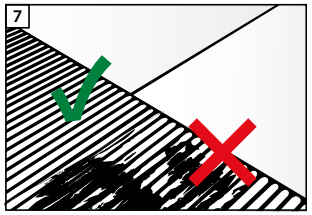

When applying the adhesive, ensure that the corners and edges are likewise sufficiently coated. Seal the package of adhesive when you are finished working **(8)**.

TIP: Do not take the adhesive from the bag directly with the notched trowel; rather, apply it to the notched trowel with a small trowel. This will keep the tool much cleaner **(9)**.

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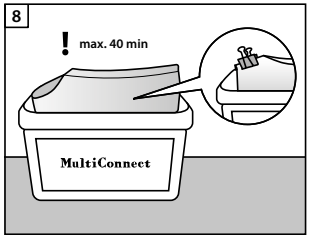

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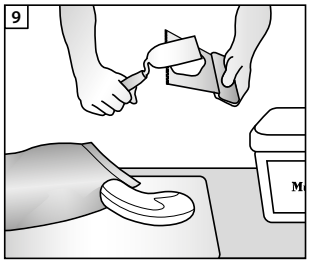

5. BONDING CERAMIN XL SLABS

When using CLASSEN Multi-Connect, moisture is necessary for the adhesive to set. On impermeable substrates (e.g. existing tiles, sealing membranes, metal or glass), the backs of the XL slab must be moistened (e.g. with a damp sponge) prior to setting them into the adhesive bed.

If using adhesives other than CLASSEN Multi-Connect, please note the directions for use provided by the manufacturer.

Please note: CERAMIN XL slabs can **NO longer be corrected** after being set in the adhesive bed. Thus, setting the XL slab precisely is extremely important!

The following TIPS simplify the installation substantially:

TIP no. 1: Mark your fixation points on all four sides and check at least two points when setting **(10)**.

TIP no. 2: Conventional suction cups simply holding and applying the XL slab **(10)**.

TIP no. 3: Even joints can be achieved using conventional tile spacers **(11)**. Alternatively, pieces trimmed from the XL slab can also be used as a joint gap with 3 mm.

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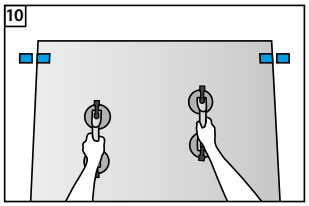

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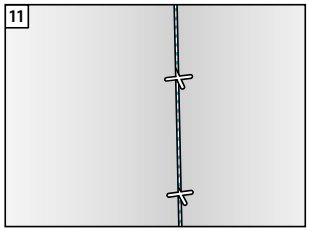

For this purpose, attach the trim pieces laterally in the emerging adhesive bed and set the next XL slab there. After drying, the trim pieces are removed with pliers. Afterwards, grout according to the instructions.

Soiling caused by adhesive on surfaces must be removed as quickly as possible without leaving any residue using suitable agents (e.g. special cleaning cloths (e. g. Niboclean Pro), nail polish remover, denatured alcohol). Cured adhesive residues can only be removed with difficulty (mechanically if necessary), or cannot be removed at all.

6. INSTALLING CERAMIN XL SLABS IN A DAMP AREA

CERAMIN XL slabs are suitable for use in a damp area. **In this case, the following installation guidelines must be observed!**

IMPORTANT!
In rooms exposed to elevated humidity, e.g. residential bathrooms, professional, continuous sealing in accordance with the specifications of DIN 18534 “Waterproofing for indoor applications” must be ensured and full-surface bonding is mandatory. Suitable sealing materials in sheet form, including accessories, must be used for sealing.

- CERAMIN XL slabs can also be used in the shower in conjunction with the installation of a shower pan in compliance with the application requirements **(12). Waterproofing in accordance with DIN 18534 is absolutely necessary.**

- CERAMIN XL slabs can be installed behind the shower pan and are sealed with natural stone silicone after installation **(13)**. Alternatively, the XL slabs can terminate above the shower pan **(14+15)**. In this case, waterproofing is achieved using a joint cord and natural stone silicone **(15)**.

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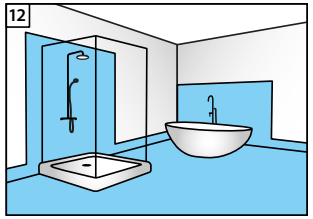

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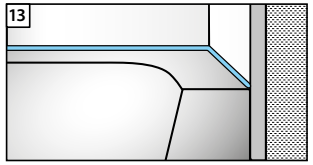

The inside corners and the transitions to the shower pan and enclosures must likewise be sealed with natural stone silicone **(16+17+18+19)**.

The outer edges of the CERAMIN XL slabs must be furnished with end profiles in an open shower area and likewise sealed with natural stone silicone **(19)**.

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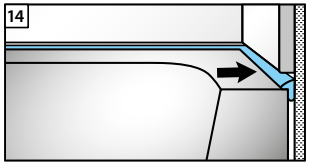

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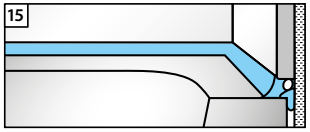

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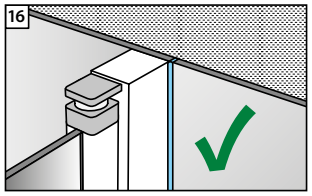

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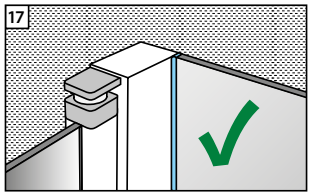

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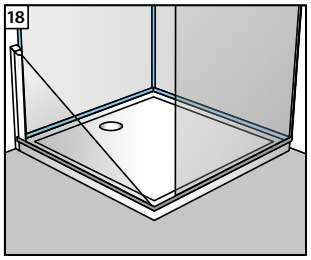

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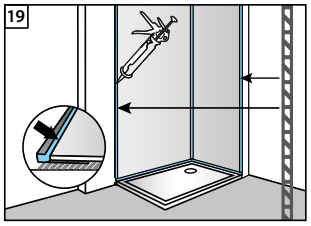


7. FOLLOW-UP WORK AND SPECIAL FEATURES

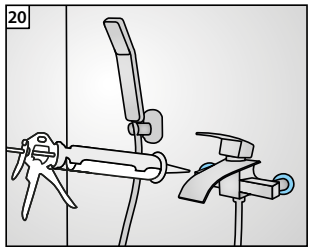
Notches for pipes and fitting connections must be grouted with natural stone silicone.

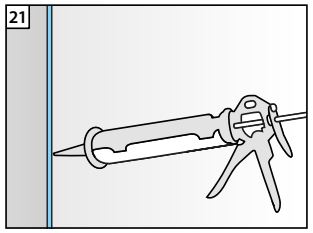
Please ensure in particular that the formation of the grouted joints is completely sealed and impermeable to water **(20)**.

To seal the inside corners, please only use natural stone silicone **(21)**.

IMPORTANT! Silicone joints are so-called “maintenance joints” and must therefore be checked regularly and potentially redone.

Outside corners and edges can be designed and concealed with conventional profiles.





8. CLEANING AND CARE INFORMATION

Cleaning:
CERAMIN XL slabs can be gently cleaned with all customary cleaning agents. Chlorinated cleaners, scouring agents or steel wool must not be used.
Remove greasy residue as quickly as possible when using CERAMIN XL slabs in the kitchen, as they are otherwise more difficult to clean later.

TIP: If you remove water residue promptly, you will prevent the development of limescale marks.

TIP: Test the cleaning agent beforehand in a less conspicuous area to check the cleaning effect and compatibility.

Please note instructions for installation and care:
www.classen.com/service/downloadbereich/

Disposal:

Residential:	Via normal household/bulky waste
Commercial:	Waste code no: AVV 17 02 03

9. WARRANTY

To protect your warranty and guarantee claims, please be sure to keep a copy of these Installation Instructions together with the proof of purchase of your floor. It is also helpful if you document the label on the front or the production code printed on the back. This can be used to determine the production data later if required.
For the warranty conditions, please refer to our website at
www.classen.com/en/service/downloadbereich/

DISCLAIMER

These installation instructions have been prepared to the best of our knowledge and with particular care. The details are based on practical experience and our own tests and corresponds to our current state of knowledge at the time of publication. They are for informational purposes only and do not constitute a guarantee of product characteristics or suitability for specific purposes. We assume no liability for any printing errors, errors in standards or other mistakes. In addition, the continuous development of the products we manufacture and changes to standards and documents of public law may result in technical changes at any time. However, we cannot guarantee the installation result in each case due to the large number of possible applications (a complete list of which would be impossible) and because the conditions of storage, installation and construction sites are beyond our control.

The publication of this edition renders all previous editions invalid. Please check for any updates to these instructions prior to use at **www.classen.com**

If you have any questions about the product or processing, please contact our technical customer service hotline: **0800 1133313**.

If you have any questions regarding the suitability of third-party adhesives, please contact the adhesive manufacturer's customer service.

CLASSEN

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