



INSTALLATION GUIDE PAROC CGL 20

(C, CC, CY, CYC, Y, YC)

THERMAL INSULATION AND FIRE PROTECTION
UNDER THE CONCRETE INTER-MEDIATE FLOOR
WITH GLUED LAMELLA INSULATION

11.9.2024

© Paroc Group Oy

GENERAL

See NOTES 1-6 at the end of the installation instructions for a successful installation.



Suitable for outdoor and indoor environments protected from the weather.



The mounting substrate (hollow-core or concrete slabs) must be firm, flat, dry and clean, contact the designer if necessary ¹⁾



Installation temperature +5 - +30°C (air and substrate)

EQUIPMENT



PAROC SW glue (XPG 001) ²⁾



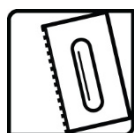
Water



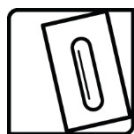
Mortar Mixer



Container for mortar



A steel trowel, 10 x 10 mm teeth



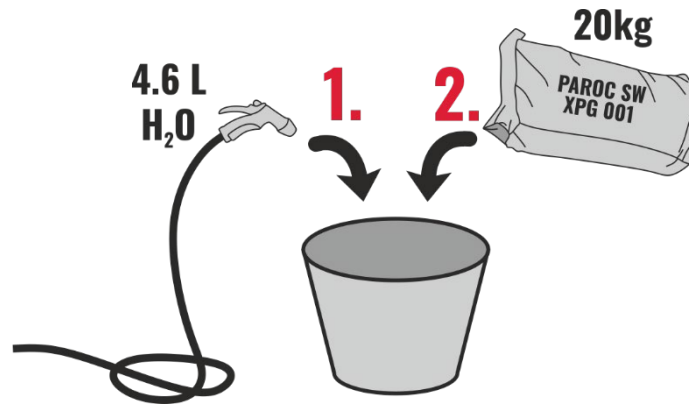
A steel trowel, straight edge



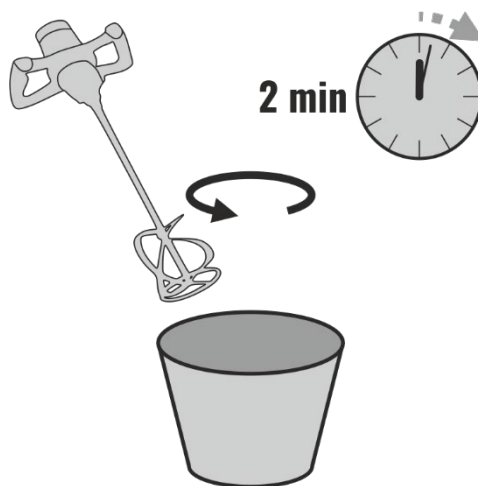
Insulation knife

1. GLUE MIXING

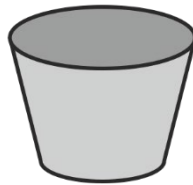
A



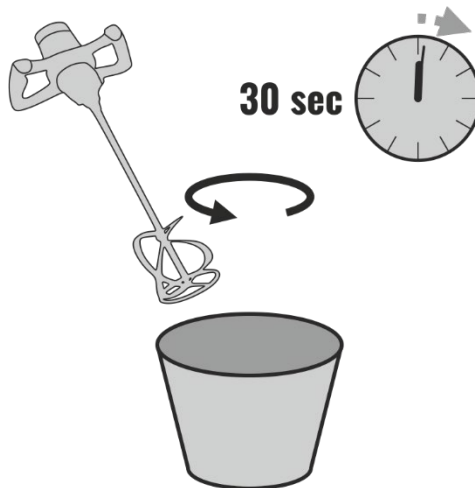
B



C

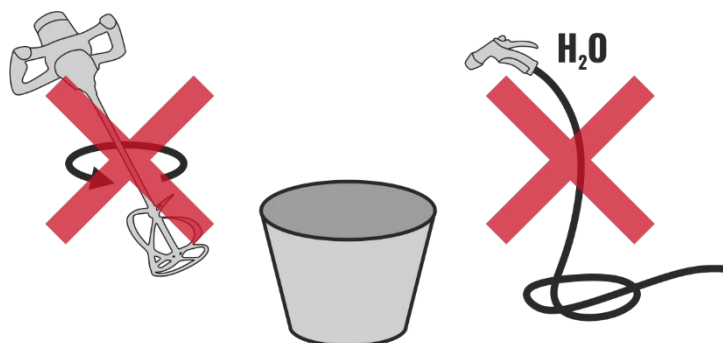


D



!

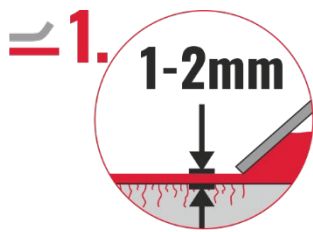
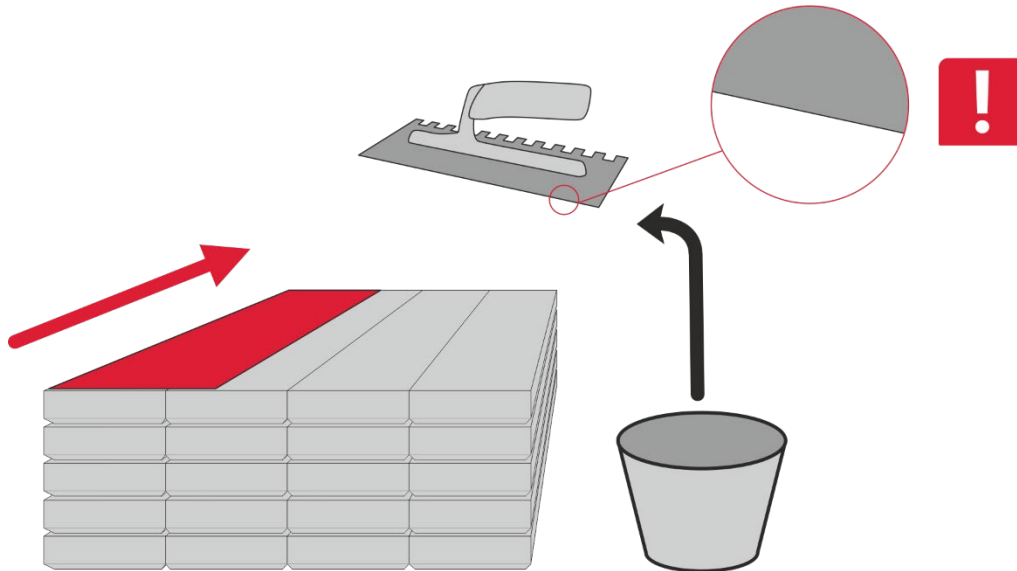
2. A & B < 30 min 3)



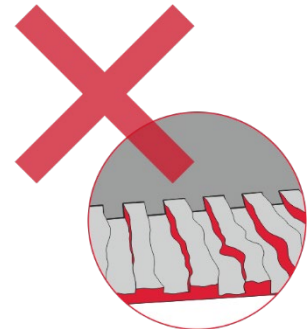
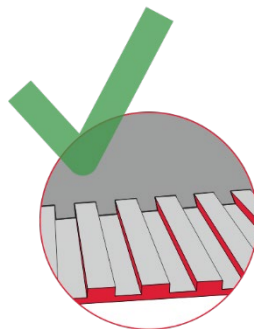
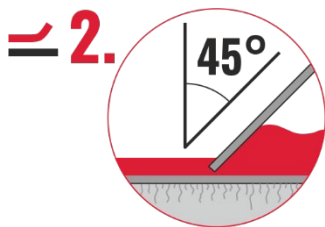
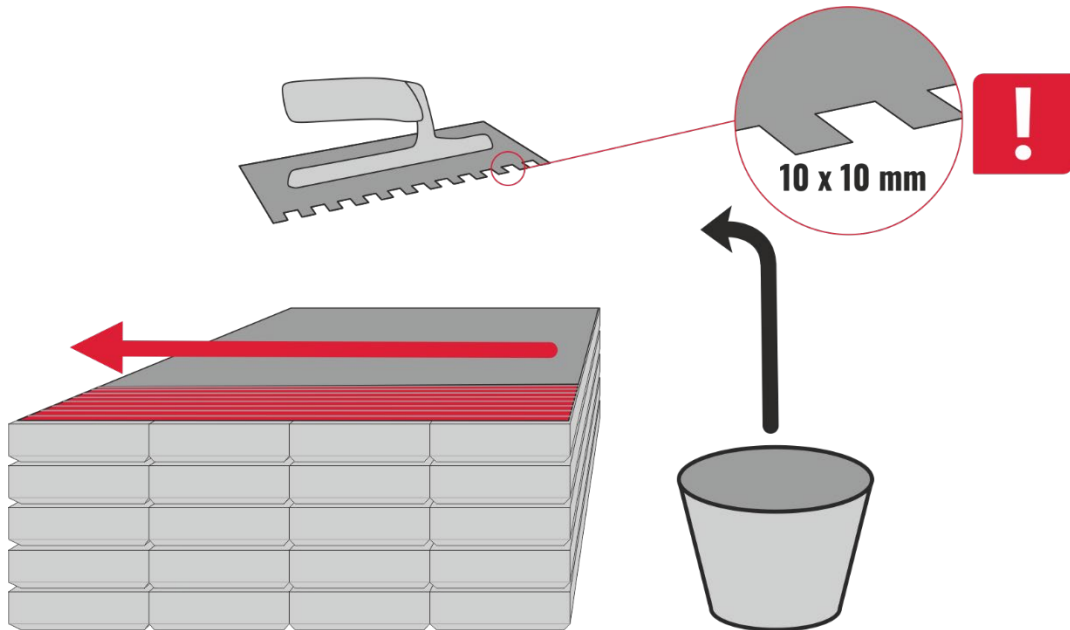
2. GLUE APPLICATION



A is not required for lamellas with back side coating (PAROC CGL 20cc, PAROC CGL 20cyc)



B

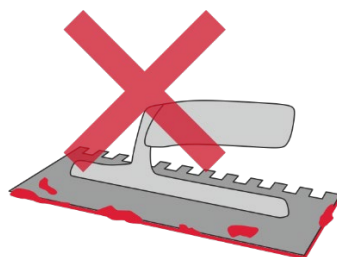
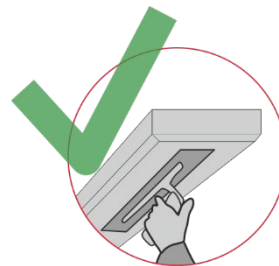
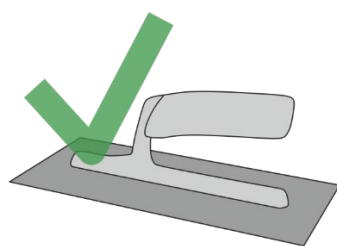
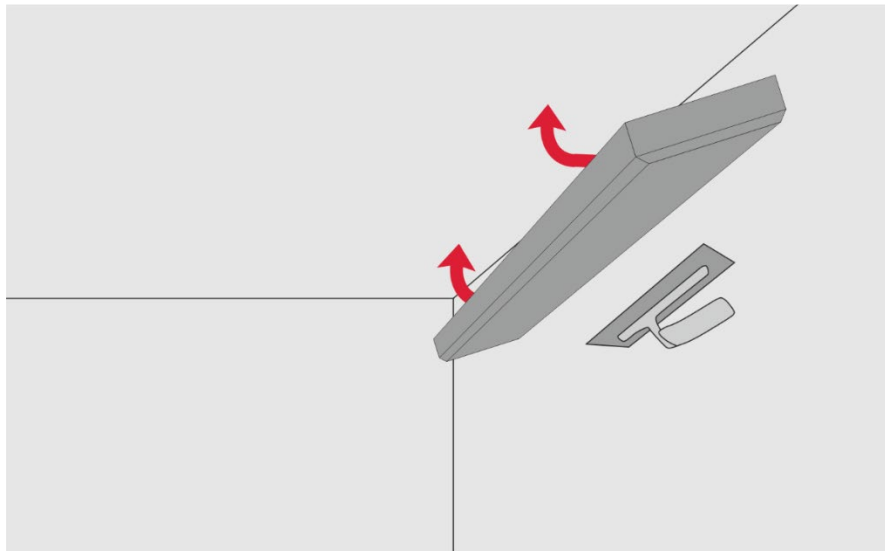
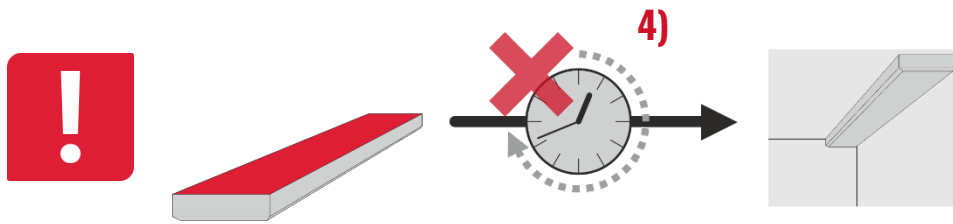


!

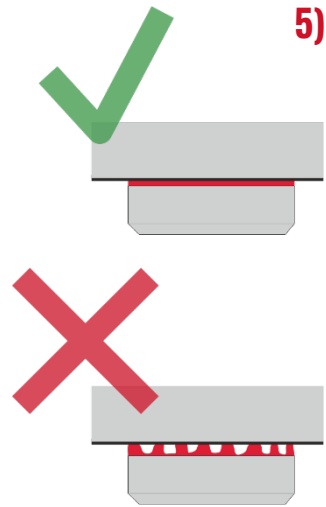
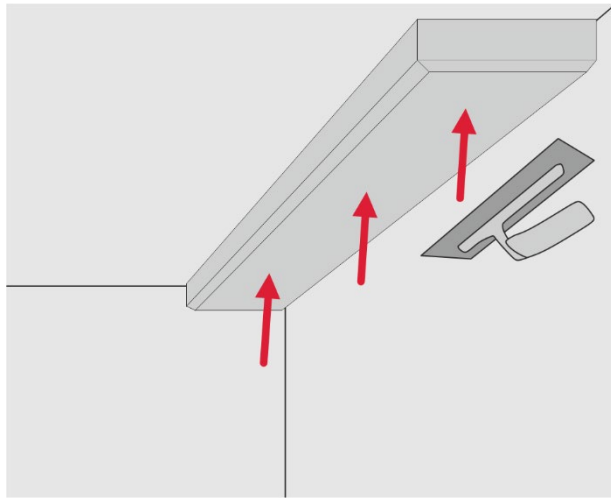
2. A + B ≥ 5 kg PAROC SW glue / 1 m²

(or B ≥ 5 kg PAROC SW glue / 1 m² for lamellas with back side coating – PAROC CGL 20cc, PAROC CGL 20cyc)

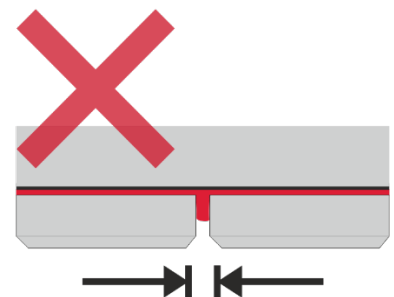
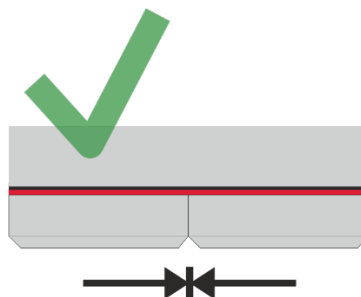
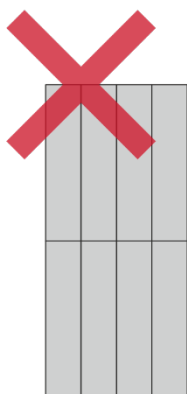
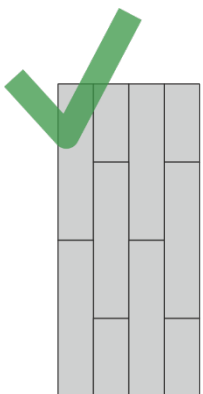
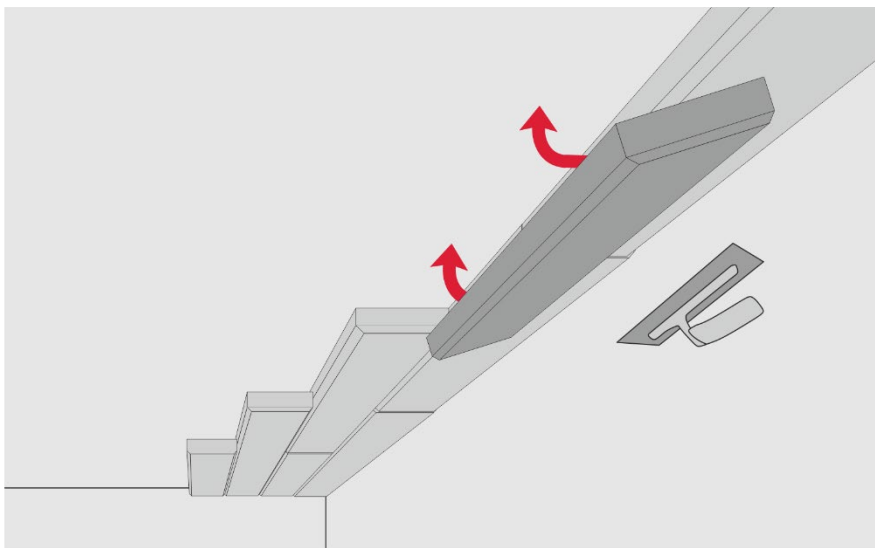
3. INSTALLATION OF LAMELLAS



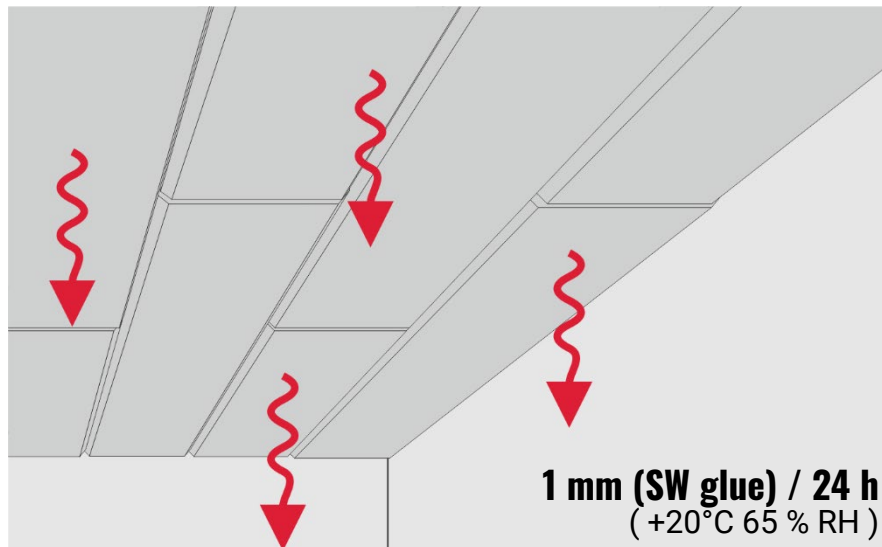
B



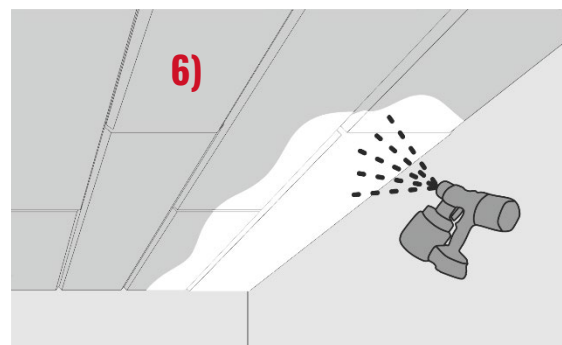
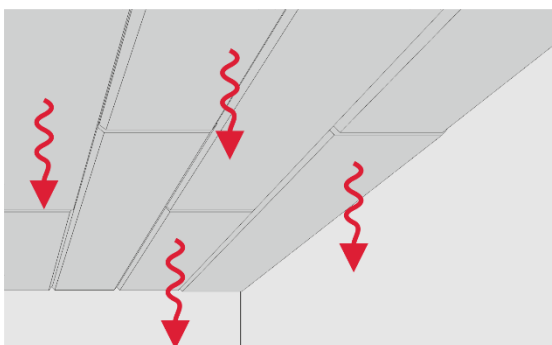
C



4. DRYING, ADHESION



5. IF NECESSARY: SURFACE TREATMENT OF LAMELLAS



NOTES

- 1) The substrate must be firm, level, dry, load-bearing, and free from grease, mold oil and dust. It is the contractor`s responsibility to check whether the fixing is suitable for the substrate at the building site. If you have any doubts of the substrate suitability for this method, you shall contact a specialist for proper estimation for example: considering longer drying/curing time, possible primer treatment of the ceiling, etc.
- 2) Paroc can only guarantee the functionality of recommended PAROC SW-glue based on fire testing. Use of any other glue is on user`s sole risk. Check the condition of the bags of glue. They should be dry and unbroken. Don`t use glue that is outdated. All bags are marked with Best before date. Make sure the water is clean and suitable for using it for mixing it with mineral mortar. You shall calculate min. 5 kg of dry material per each m².
- 3) Do not add water after 30 seconds remix as it will weaken the adhesion heavily. The open time for the glue varies a lot depending on temperature and ventilation. Typically glue should be used within 30 min from mixing. When the glue starts to dry in the bucket, the gloss of glue gets dimmer, and color gets lighter. It means the curing has already started. It`s not recommended to use the glue after this as adhesion will be weaker.
- 4) For the best possible adhesion strength, install lamellas immediately after spreading the glue.
- 5) Make sure the air is pressed out from the toothed channels of glue. To do this properly, use a clean steel trowel to press the lamella against the substrate. We recommend making a test installation to see, that at least 80 % of lamella surface is covered with glue so that there are no toothed channels in the glue anymore.
- 6) Painting or coating applied on the building site is not part of fire tested solution or ETA. National regulations shall be considered when planning any surface finishing. However, PAROC CGL 20 with a primer surface (c, cc, cy, cyc) is part of the fire-tested solution and ETA.

Before applying any additional coating or painting, wait at least 24 hours to be sure the glue has reached the needed adhesion strength. In case of possible painting or any other coating, make sure, the coating material is breathable allowing the moisture from substrate and glue to dry out.

This installation guide is owned by Paroc Group OY ("Paroc").

It was developed by the Technical Team and Sales Team of Paroc solely for use by professional users who are authorized to view its contents. Paroc's Technical Team and Sales Team present the information in the installation guide for mere indicative purposes. While the information therein concerns a technical application of certain Paroc products, it is in no event to be considered as technical advice.

Although we believe the information in this presentation to be accurate, Paroc does not make any warranty or guarantee concerning the accuracy or reliability of its content. When technical matters are discussed, the opinions presented are those of the discussants only.

The material discussed in the installation guide is not intended to present the only or necessarily the best method or procedure. This installation guide is provided in an "as is" format without warranties of any kind, expressed or implied, including but not limited to warranties of title, non-infringement or implied warranties of merchantability or fitness for a particular purpose.

Users of the provided information that is presented in the installation guide assume full responsibility for all concept/design decisions made relating to the suitability of use. Users must rely on their own judgment or that of a concept/design professional when determining how to best apply the data provided. Users agree that Paroc is under no obligation to provide additional details, testing or test data on its behalf.

