

SOLID GLASS BRICK 200 × 100 × 50 MM

Installation, step by step

Clean surfaces. Controlled adhesive. A steady pace.



Get a feel for the material first.

Do not try to build the whole wall in one session.

01 Prepare the base

The base must be level, sound and stable. Level it before starting: extra adhesive cannot make up for an uneven base.

02 Dry-lay the first course

Check the actual length, exposed ends and positions of half bricks. Choose the texture direction. Ask us about ready-made half bricks before ordering.

03 Clean and degrease

Wash and dry the bricks if needed. Degrease the bonding faces with a compatible, residue-free cleaner and allow it to evaporate. Do not touch prepared faces; wear clean gloves.

Have ready: a caulking gun, cleaner, lint-free cloths, spirit level, straightedge and sealant finishing tool.

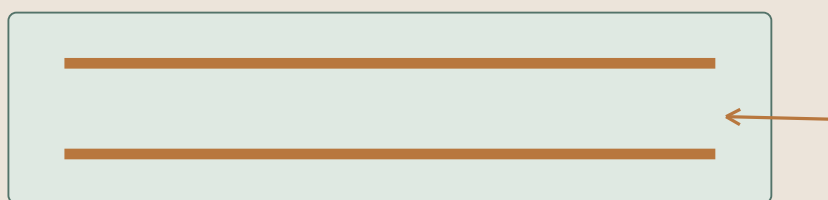
Outdoors, shelter the work area from rain while applying and curing the adhesive. Follow its requirements for temperature, humidity and outdoor use.

TAKE YOUR TIME. KEEP JOINTS CLEAN.

Two beads. No excess.

Use a transparent adhesive suitable for glass and the planned construction.

TOP VIEW · ADHESIVE APPLICATION



Keep clear of the visible edges to limit squeeze-out.

Two lengthwise beads

Diagram only; adjust the amount on the first few bricks.

04 Bond both horizontal and vertical joints

Apply two beads along the top face, and adhesive to the end face that meets the next brick. Press gently and check alignment immediately. Do not squeeze all adhesive out of the joint.

290 ml $\approx$ 70 bricks

In our experience, one 290 ml cartridge of Soudal Fix All Crystal covers approximately 70 bricks when applied in two beads. Initial use is usually higher while the installer gets used to the technique. Allow some extra.

05 Start with a small section

In our experience, up to 6 courses a day have been possible at a steady pace. This is a guide, not a target: progress depends on the adhesive, temperature and humidity.

Continue only when the lower courses have set sufficiently and no longer move. A surface skin does not mean the whole adhesive layer has cured. Follow the instructions for your chosen adhesive.

The 70-brick estimate refers to our usual 50 mm thick wall. For other orientations and bonding areas, check consumption with a trial section.

ONE BRICK. MANY RHYTHMS.

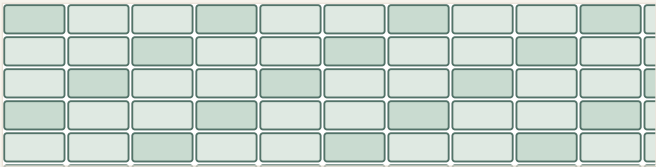
Choose your pattern

These diagrams show layouts, not structural or fixing designs.

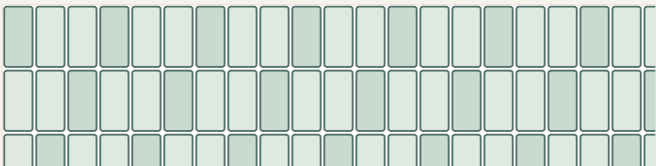
50 MM WALL

Face 200 × 100 mm · ≈50 bricks/m²

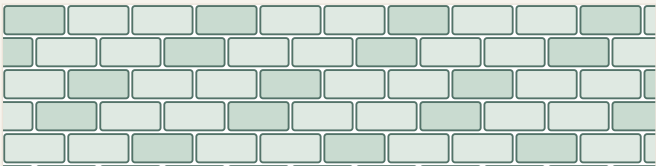
01 Stack bond



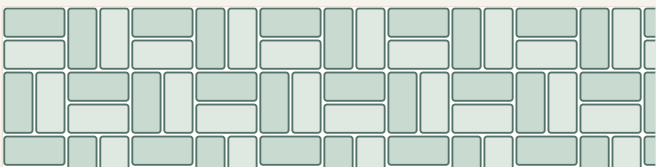
02 Vertical stack bond



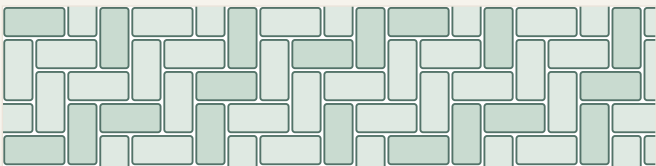
03 Half-offset running bond



04 Basket weave



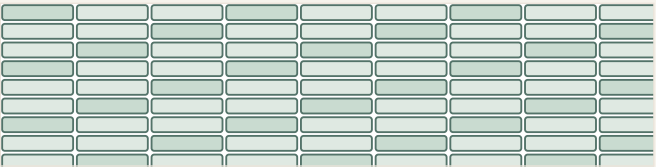
05 90° herringbone



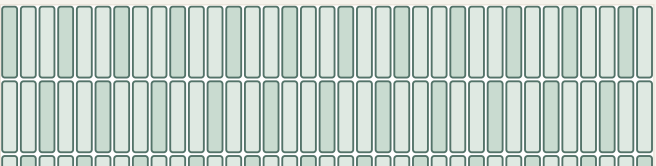
100 MM WALL

Face 200 × 50 mm · ≈100 bricks/m²

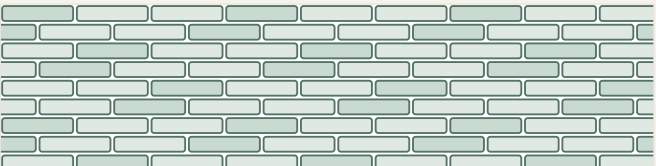
01 Stack bond



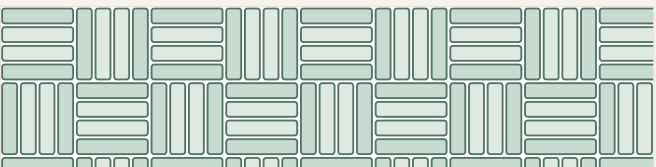
02 Vertical stack bond



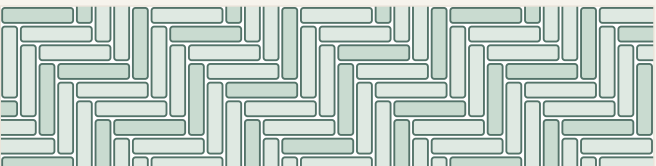
03 Half-offset running bond



04 Basket weave



05 90° herringbone



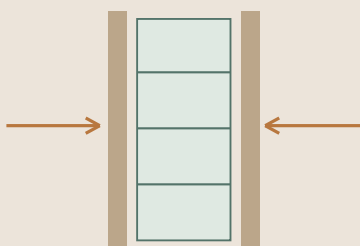
Counts per m² use the nominal face area, excluding joints, edge cuts and spare material. Count half bricks separately; calculate exact quantities by course and actual dimensions.

For basket weave and herringbone, test a module first: actual brick and joint dimensions affect pattern alignment.

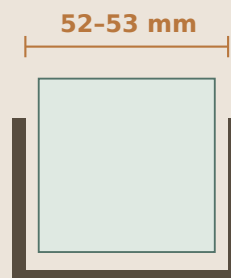
ALIGNMENT BEFORE SPEED

Keep the wall aligned

While the adhesive is soft, courses may shift and the centre of the wall may bulge. Check alignment with a straightedge and spirit level after every few bricks.

TEMPORARY SUPPORT PANELS

Clean panels on both wall faces.
Light pressure, stable supports.

U-CHANNEL · SECTION

Internal width for a 50 mm wall.
Check the fit with your actual bricks.

Temporary supports or guides help maintain alignment. Contact surfaces must be clean, free of grit and protruding fixings. Do not overtighten clamps. Clear contact with excess adhesive immediately so supports do not bond to the wall. Remove them once the wall is stable without them. Do not force set brickwork back into position.

A channel is an optional edge detail. Select the construction, base and fixings for the project; an engineer determines permissible loads. Temporary supports do not replace permanent fixings. For outdoor installation, account for exposure conditions.

A clean finish

Remove soft excess with a sealant finishing tool. Use a blade only where scraping uncoated smooth glass is permitted; never on textured, painted or mirrored surfaces. Do not load the wall before curing. Clean with a soft cloth and a compatible, non-abrasive cleaner.

Half bricks and holes

Ask us about ready-made half bricks. Cut and drill before installation, securing the workpiece and using tools designed for glass. Use cooling only as permitted by the tool manufacturer. Clean and degrease the faces afterwards. Protect cables from sharp edges.

We can help plan your layout

Send your wall dimensions and pattern: we will help calculate full and half bricks. info@glassbrick.ee · +372 5344 4020