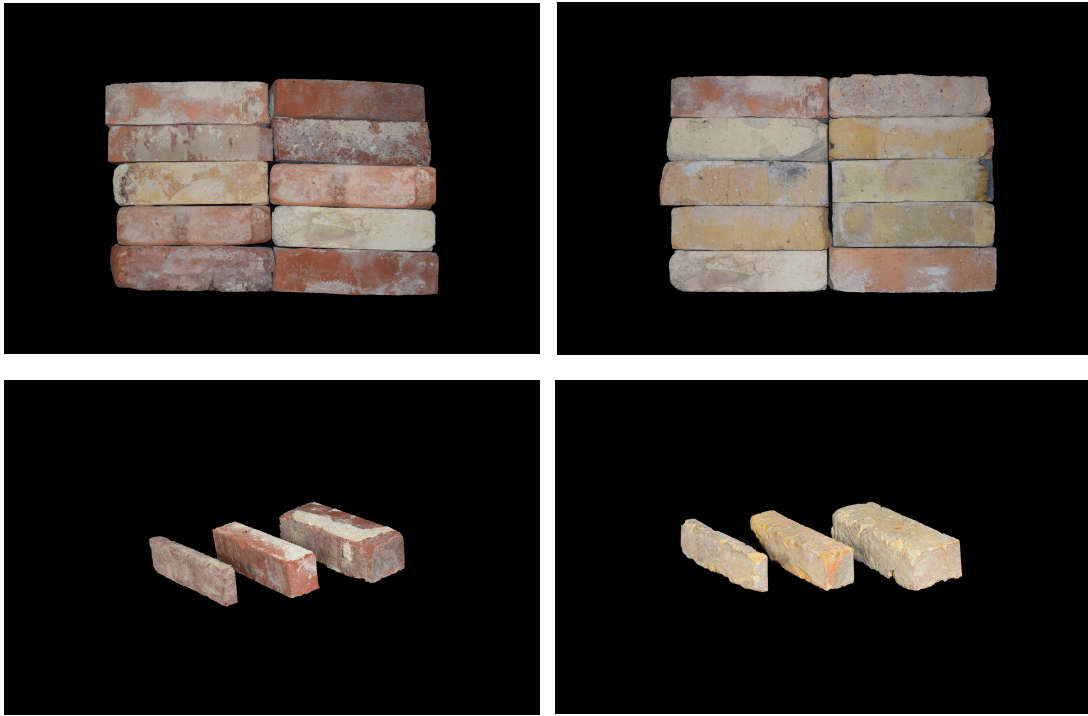


REBRICK 57
Reused facade brick
RED-MIX & YELLOW-MIX



Technical Data

- Type: *Reused facade brick*
- Color: *Red mix and Yellow mix*
- Format: *250x57x65 (mm) Tolerance: Tm* Rm**
- Consumption: *52 st/sqm.*
- Water Absorption: *7-15%*
- Compressive Strength: *25 - 45 MPa (Char.)*
- GWP Total (A1-A3): *Ca. -0,071 kg CO2 / brick*
Approx. . -3,68 kg CO2 / sqm.
- Weight: *1,7 kg per piece*
- Initial Suction Rate: *1,8±1,2 kg / (m² x min)*
- Frost Resistance Class: *F2*

The Product:

Reused facade brick is a product made from demolition bricks. This helps reduce both the environmental impact and the amount of construction waste. Our reused facade bricks, which are sourced from full size solid bricks, are too heavy in their original format. Meaning that under current Swedish labor regulations, bricks weighing over 3 kg cannot be used for 1-hand bricklaying that is normal in masonry construction. Therefore, we cut them into a special format, further reducing the environmental impact per brick while maximizing the reuse of the product without waste. The picture above shows our three formats;

Rebrick 90 to the right, **Rebrick 57** in the middle and our brickslip, Rebrick 25 to the left.

Reused facade bricks are generally sold as a combination of full bricks (stretcher bricks) and the quantity of half bricks (header bricks) that are caused during demolition and cleaning, and from the brickwork it selves. Customers should expect that approximately 0-30% of the total amount will be half bricks (header bricks) per surface area. This equates to approximately 0-30 header bricks per square meter of brickwork. Ensure that the proportion of half bricks is planned well in advance so that the appropriate bond pattern allows the entire volume of reused bricks to be used. The final proportion of header bricks is determined after cleaning to achieve maximum utilization. This means that the project should plan a bond pattern that allows flexibility and that the executing contractor is informed about this requirement. Reused bricks that are not classified as facade bricks for outdoor use with the correct frost protection rating may only be used indoors. For more information on bond patterns with varying proportions of header bricks, visit our website under 'Masonry Bonds.'

The color mix means that there is a natural spectrum of different shades within red and yellow, ranging from light to dark, including some brown, rosé, and variations of these tones. There are also different textures and surfaces that, when blended, create a cohesive look in our mix series. The mix is based on the demolition volumes available before production.

The format:

Since the brick is only about 57 mm deep, and we get circa 2 new bricks from 1 original, the climate impact is reduced even more. The full original solid brick is 120 mm in depth.

However, buildings over two floors must be designed so that the load is distributed according to Eurocode. This format also requires adapted reinforcement/ties and fastening. We provide assistance with technical solutions to our reused masonry projects, which should be ordered alongside this product in the planning phase.

The product has low water absorption (7-15%), which ensures high quality and greater durability over time. We recommend a medium-strength mortar, minimum M2.5 or M5.

Reused facade bricks reduce carbon emissions by approximately 96% compared to newly manufactured facade bricks, with an environmental impact close to 0 kg CO₂/ton. Additionally, emissions during transportation to the construction site are reduced as more products can be packed per pallet and within Sweden the range compared to imported bricks are shorter.

The delivery:

The special format is only half the normal depth, leading to lower transportation costs and reduced environmental impact per sqm. We can pack up to 11 sqm. of bricks per pallet, compared to approximately 6 sqm. for newly manufactured bricks.

This format is also much lighter in weight per brick which improves workplace ergonomics and reduces the need for mortar by about 60%!

The quality:

The low water absorption reduces e.g salt precipitates, and the high compressive strength makes the brick well-suited for the harsh conditions that a facade is exposed to, requiring minimal maintenance. Our reused bricks have high compressive strength, ensuring that they will also be suitable for future reuse.

Rebrick 57 has a 10-Year Frost Protection Guarantee Included and is CE-certified.

* Tolerance Class **Tm**: L±10;B±7;H±4mm **Rm**: L±15;B±10;H±5mm