

Disassembly advice

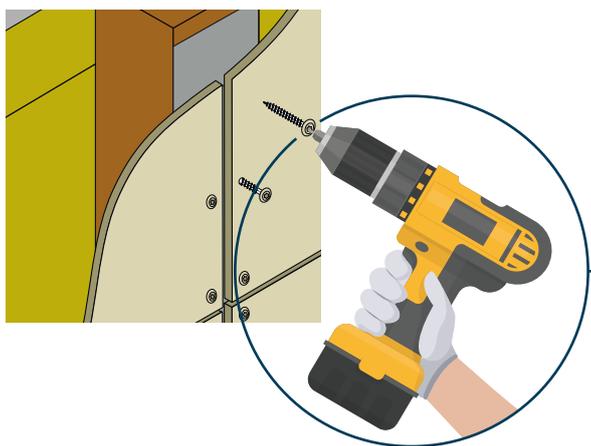


Designed for disassembly

The most tangible form of recycling involves using building materials that are modular and easy to dismantle, making it possible to recycle them rather than discarding them. For example, a ventilated facade with Rockpanel exterior cladding, an aluminum sub-construction, and ROCKWOOL insulation can be easily deconstructed and separated into three clean, and fully recyclable parts at the end of life of a building.

In this document, please find instructions on how to dismantle a Rockpanel facade.

When Rockpanel boards are is fixed with screws

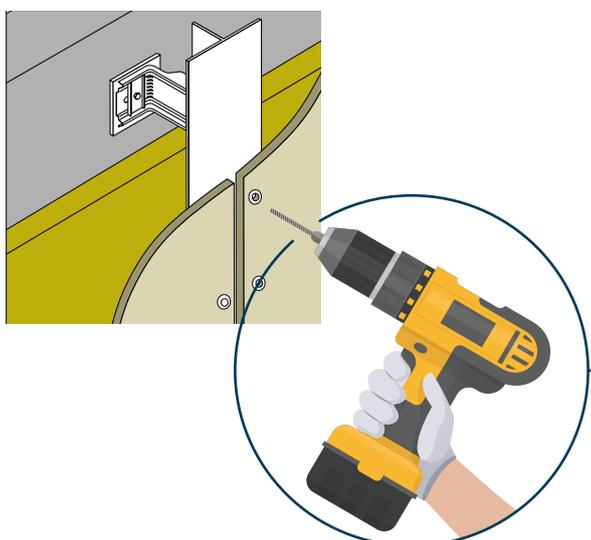


When Rockpanel is fixed with screws, it can be easily dismantled using an appropriate screwdriver.

After the screws are removed, they should not be placed back into the same spot in sub-construction.

Reusing damaged boards, fasteners or sub-construction is not recommended.

When Rockpanel boards are applied with rivets



When Rockpanel is fixed with rivets, it can be easily dismantled by using **a 5.2 mm diameter drill centered into the rivet.**

After the rivets are dismantled in this way, the board can potentially be placed back into the same position with new rivets, provided that the board, the sub-construction, and the pre-drilled holes are not damaged.

When Rockpanel boards are applied with concealed fixing system

When Rockpanel is applied with concealed fixing system, the boards can be easily dismantled from the facade. Dismantling should start at the top of the facade and proceed downward. First, the clip with a fixed point needs to be unscrewed using an appropriate screwdriver. Then, the two or more leveling clips should be loosened by un-screwing the leveling screws. After this, the Rockpanel board including the clips can be lifted upwards and removed from the horizontal rails.

- The board should be placed upside down on a clean, dry and flat surface, where the clips and TU-S anchors can be removed from the board by using an appropriate screwdriver.
- After anchors are removed, the board, the clip and the anchors should not be re-used.



General advice

- Ensure the general safety conditions for facade works on the building site.
- We recommend to test the tools on a small area first, before dismantling.
- Ensure that the panel is adequately secured before loosening the fasteners to prevent it from falling uncontrollably.
- Place wedges under the Rockpanel board before loosening the fasteners.
- For large facade panels, use suction lifters and, if necessary, panel carriers to safely remove and transport them from the building.
- Timber battens, metal rails and other elements must be dismantled with the appropriate tools, stored and recycled separately.
- The Rockcycle® system offers the option of returning Rockpanel board to the recycling system. This eliminates disposal and landfilling and contributes to environmental protection.
- Further information on the specification of the fixings, construction and assembly can be found in the European Assessment Document (ETA) and in the Rockpanel Declaration of Performance.

When boards are intended for possible other use or to be placed back:

- Mark dimensions and direction of each board on its back.
- Clean the front of each board according to the Cleaning & Maintenance Instruction Guide provided by Rockpanel.
- Remove any dust from the back of the board.
- The panels should be lifted upward when handled and should not be slid over one another.
- Protective foam membranes should be placed between the sheets to protect the surface layer, for example when the panels are stacked after being sawn.
- Handling and storage needs to be done in accordance to the Rockpanel Instruction Guide.
- If panels are replaced or used again, more or less noticeable colour changes may occur compared to the new facade panel due to environmental stress (UV radiation, weather or type of pollution) and exposure time.
- Re-processing and installation must be carried out in accordance with generally accepted technical standards and Rockpanel processing and installation instructions.



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