



TALLEAS

Composite Panel

- Installation
- Cleaning
- Repair



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FORM-ON

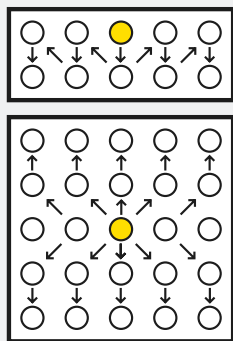
Installation | TALLEAS composite panel.



Apply silicone to the panel support surface of the frame. This will prevent concrete from getting between the frame element and the TALLEAS composite panel.



Once the panel is aligned, drill rivet holes through the panel and the frame using a 5.1mm drill bit with a 120° countersink.



Riveting should, where possible, be carried out from "inside" to "outside". See the example sketches.



Due to their long service life, steel-to-steel rivets are recommended. Use a pneumatic riveting tool for this.

Cleaning | TALLEAS composite panel using a high-pressure cleaner.



You can clean the TALLEAS composite panel quickly and efficiently using a high-pressure cleaner fitted with a rotating nozzle and operating at up to 1,000 bar.

Cleaning | TALLEAS composite panel using a rotary cleaner.



For reconditioning, we recommend wet cleaning using a rotary cleaner including a pad and a sanding grid.



Before cleaning, remove any nails or screws. Adding extra weight can further increase efficiency.



This type of wet cleaning smooths out minor surface imperfections such as scratches and protrusions that cannot be removed when cleaning with a high-pressure washer.



The smoother surface achieved results in reduced concrete adhesion. The next time the panel needs cleaning on the construction site – it's a breeze.

Cleaning | TALLEAS composite panel using the “FALCH-Scater”.



If available, a “Falch-Scater” surface cleaner, operating at 500 bar, can also be used.



Depending on how dirty the panel is, a single “wash cycle” is often enough to achieve a very good cleaning result.

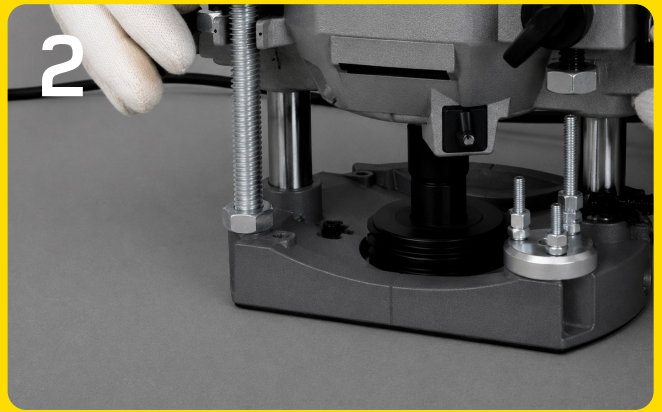
Repairing holes | TALLEAS composite panel.

1



Clean the damaged area of the formwork thoroughly to remove any concrete and formwork oil residue.

2



Set the router bit diameter to match the repair patch and set the depth stop to 3mm. Then rout out the damaged area using the router at approx. 7,000–8,000 rpm.

3



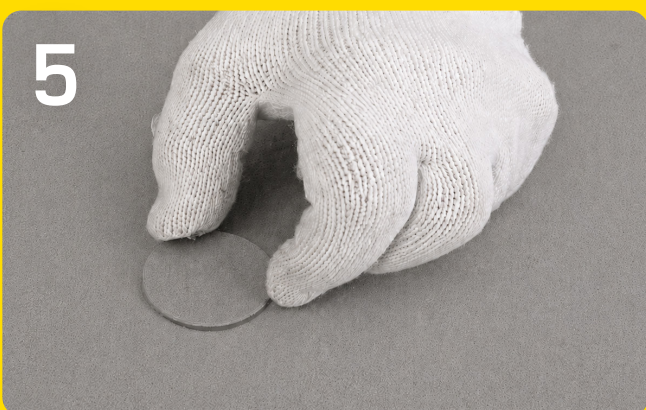
Use compressed air to clear the milled area of swarf and dust.

4



Apply a thin layer of adhesive to the inner edge of the milled groove.

5



Insert the repair patch by hand into the milled recess.

6



Carefully fit the repair patch into the milled groove using a plastic or an iron hammer with a wooden block and work it flush into the formwork skin.

Guidance on the installation and use of repair patches with TALLEAS wall and floor formwork.

Repair patches are used for the repair and refurbishment of plastic coated formwork panels, large area formwork systems and framed formwork. Surface damage such as scratches, vibrator damage, dents, holes, drilled tie hole, cracks and similar defects can be repaired quickly, easily and cost-effectively using repair patches, preparing the formwork for further concrete pours.

Fit the router with a carbide tipped indexable insert cylinder cutter and set the depth stop according to the thickness of the repair patch. Check the exact routing or drilling depth on a sample piece of formwork panel before starting work.

To achieve the best performance and longest service life of the carbide tipped indexable insert cylinder cutter, set the router speed to approximately 7,000 to 8,000 rpm using the electronic speed control.

The carbide tipped indexable insert cylinder cutters are approved for manual feed operation at a maximum speed of 8,000 rpm.

Before machining, clean the damaged areas of the formwork panels to remove any concrete residue. This prevents damage to the cutting edges of the indexable inserts, scoring cutters and centering point of the cylinder cutter.

Once the routing or drilling tool has been positioned correctly, switch it on, machine the recess using light, even pressure, and switch the tool off immediately after completing the operation.

Repeat this process on all damaged areas of the formwork panels or elements as required.

Larger areas of damage, cracks or similar defects can be repaired by installing several repair patches next to or behind one another. Each repair patch must be installed individually and, where necessary, with overlapping edges.

Using multiple repair patches in this way allows larger damaged areas to be restored effectively. Before applying the adhesive, remove all wood or plastic chips from the routed recesses. Apply a thin layer of adhesive to the inner edge and part of the routed surface. Insert the repair patch by hand, then use a flat plywood block and a hammer to drive it in until it is perfectly flush with the surface.

Suitable adhesives include all moisture curing one component polyurethane adhesives or waterproof D3 wood glue.

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Repair | TALLEAS composite panel.

Tool list:

- Routers
- Pneumatic nail guns
- Iron or plastic hammer
- Wooden backing block



List of materials:

Repair tiles

- Repair patch 40
(Art. no.: EK000446)
- Repair patch 60
(Art. no.: EK000447)

Drill bit

- Carbide indexable inserts
Cylinder head drill 40.1mm
- Carbide indexable inserts
Cylinder head drill 60.1mm

Adhesive

- Adhesive (plastic)
Recommended: PU adhesive 600
- PU adhesive
Recommended: Rondobrid 400K/600K

PPE

- Work Gloves
- Safety Glasses

