

No. 533

Routing gypsum plasterboard



A

Description

Particularly for the restoration of old buildings living spaces must be adapted to today's requirements through technical measures. This includes the correction of raw masonry, the division of large rooms into smaller units or fitting heat insulation, to name but a few. Gypsum plasterboard is often used for all this construction work. Dry lining with gypsum plasterboard offers a range of advantages to the plasterer, painter and the dry liner: There is less dirt, no humidity and thus no drying times. The process is effected quickly and without great difficulty and also offers cost advantages.



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Almost all work encounters the problem that the gypsum plasterboards have to be fitted "around the corner" (wall projection, window/ soffit, pier, etc.) (see Fig. 525/1).

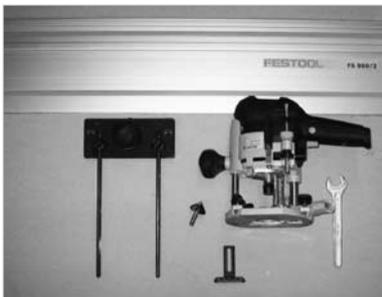
Gypsum plasterboards are usually cut to size and abutted on top of one another. This means that the seams have to be smoothed and sanded, which is time-consuming and expensive. The results are longer processing periods and higher costs.

Routing instead of cutting!

The above-mentioned problems are solved with the Festool router OF 1010 EBQ, the guide system FS, the V-groove cutter HM D 32/19 with flattened tip and a Festool dust extractor.

A V-groove is cut into the rear side of the gypsum plasterboard and the lower cardboard layer is not damaged in the process. The cut-out material provides sufficient space for folding over 90°. The V-groove is pretreated with penetrating primer and glued with wood / casein glue. The folded gypsum plasterboard can be installed without any problems.

B Tools/Accessories



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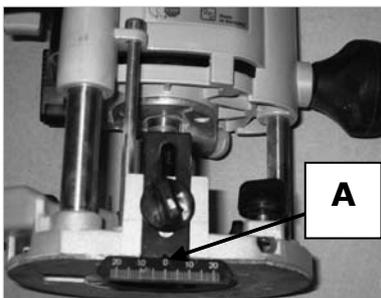
Basic equipment:

Designation	Order No.
Router OF 1010 EBQ	574 175
V-groove cutter HM D 32/19	491 001
Fastening clamps FSZ 120/2	489 570
Guide rail adapter FS-OF 1000	488 752
Guide rail FS	*
CTM mobile dust extractor with extractor hose D 27	*

*Please obtain the order no. from the Festool main catalogue or from the Festool website.

Other accessories:

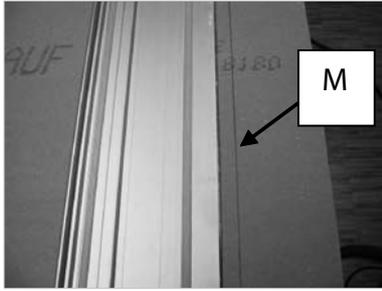
Wood/Casein glue
Penetrating primer



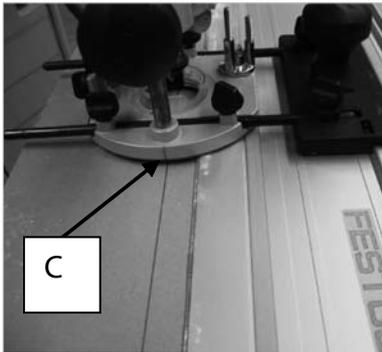
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Preparation/Set-up

- Install the cutter in the router as far as the mark.
- Adjust the max. routing depth using the fine setting over the revolver stop. The bottom board must not be touched!
- Important: The V-groove cutter used here is a special design with flattened tips!
- Set two intermediate cuts at the revolver stop.
- Mount side support A (see Fig. 533/3).



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C

Procedure

Marking the gypsum plasterboard:

Position the gypsum plasterboard on a flat area and mark the wall width plus the material thickness on the rear.

(e.g.: 10 cm + 1.25 cm material thickness = 11.25 cm)

Scribe line (M) is now the centre line for the router (see Fig. 533/4).

Aligning the guide rail parallel to the centre line (M):

- Mount the guide rail adapter (FS-OF) to the router table and secure.
- Align the centre marking on the router table of the router (see Fig. 533/5, mark C) congruent with the centre line (M) at the start and end of the gypsum plasterboard.
- Secure the guide rail using fastening clamps FSZ to the gypsum plasterboard.
- Position the router with guide rail adapter on FS and place side support (A) on gypsum plasterboard and secure.
- Set the speed to 6.
- Connect dust extraction and route the V-groove in 3 work steps.

Adhering the gypsum plasterboard:

In addition to the direct securing of the gypsum plasterboard to a wall, a steady angle or box (e.g. as a duct panel) can be fitted by adhering the routed groove.

Procedure:

1. Treat the V-groove with penetrating primer and allow to dry for approx. 2 hours.
2. Apply wood/casein glue to the V-groove and fold the gypsum plasterboards together.
3. Allow the adhesive to dry as per the manufacturer's specifications.

Tip:

1. Due to the extremely high proportion of fine dust only filter bags should be used in the dust extractor.
2. For reveals, columns, pillars, etc. adhesive can be avoided if necessary as the gypsum plasterboard is screwed to the wall.

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Our example for use is a recommendation tried and tested in practice. However the actual conditions pertaining in each situation are completely outside of our control. We therefore do not provide any form of guarantee. Any legal claims arising out of this are not to be made against Festool. Please observe without fail the safety and operating instructions included with the product.

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