

FLOOR PREPARATION

Recommended Materials

- ▶ weber.floor 4040 Combi Rapid
Contact: Saint-Gobain Weber Ltd
Tel: 08703 330070 www.netweber.co.uk
- ▶ 15mm wooden batten
- ▶ Finishing Trowels:
Small blade, e.g. 279mm x 120mm or similar
Large blade, e.g. 356mm x 127mm or similar
- ▶ Masking Tape

General Installation Detail

To ensure efficient drainage into Intercept Channel, shallow falls either side of drainage channel are required as shown in Fig 1. Whether new build or refurbishment projects with either timber or concrete floors, non-obtrusive artificial falls can be easily achieved using the steps below.

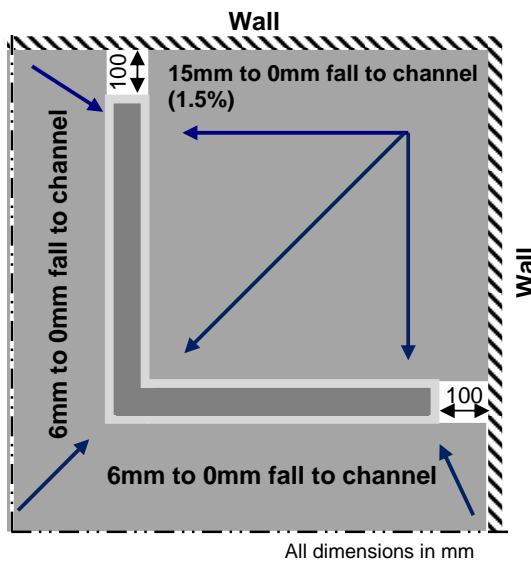


Fig 1. Falls to Channel

Solid Concrete Floor Construction

1. Ensure that the concrete is clean, sound and free from barrier materials, adhesive residues etc.
2. Assess any natural fall direction(s) of original floor levels and decide optimum orientation of channel position and excavate aperture in floor to accommodate channel and waste.
3. Remove transit clamp with a sharp blow with a hammer to break tack-welded joints. Firstly remove corner grate by slackening retaining screws and slide out at 45°. Slacken straight grating retaining screws and slide out. Ensure concrete anchors are securely fixed to base of channel as shown in Fig 2. Install trap to drainage channel and check for leaks.

4. Apply masking tape to exposed channel and trap surfaces to prevent contamination by screed. Install channel to required position using suitable concrete, screed or weber.floor 4040 Combi Rapid ensuring good compaction around channel to carry load. Fill channel countersunk fixing holes with grout and finish flush to prevent vinyl pressure points.

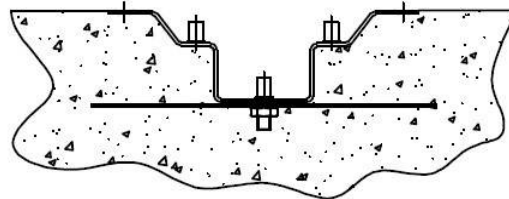


Fig 2. Installed Channel in Floor

5. Position a short length (50mm) of 15mm batten diametrically opposite the 90° channel corner to represent the high point of the fall into the channel as shown in Fig 3. Use a 6mm thick batten to create high point for outboard falls.



Fig 3. 15mm Batten to Set Fall to Channel

6. Prepare a low slump mixture of levelling compound to manufacturer's instructions (weber.floor 4040 Combi Rapid is recommended) and use as follows:

- Create rough 1.5% falls to the channel, including the outboard falls as shown in Fig. 1 using a small blade finishing trowel and levelling scrim as shown in Figs 4 & 5.



Fig 4. Creating Rough Falls to Channel

Timber Floor Construction



Fig 5. Levelling Scrim

- Use the levelling scrim to feather the falls from 15mm at the batten to 0mm flush at the channel. Smooth 1.5% falls to channel using a large blade finishing trowel as shown in Fig 6. Allow to harden to manufacturer's instructions.



Fig 6. Final Levelling to Falls

- Once hardened, smooth surfaces to channel using an 80-grit abrasive pad or block as Fig 7.



Fig 7. Final Smoothing of Compound

- Finally brush surface and vacuum clean to remove all traces of surplus material.

The floor is now ready for flexible vinyl sheet flooring installation. **Go to section 7.**

A. Ensure that the concrete is clean, sound and free from barrier materials, adhesive residues etc. Install channel with gratings assembled to channel and retain protective grating film **until the screed installation is complete** to prevent damage to gratings and detritus entering the channel system during installation.

B. Assess any natural fall direction(s) of original floor levels and decide optimum orientation of channel position. Note positions of screws/nails securing floor to joists to ensure trap does not foul joists. Remove transit clamp.

Note. It is generally accepted that notches up to 25mm deep in joists are acceptable. Seek advice from Local Authority Building Control.

Lay channel face down on floor in desired location and mark outline position on floor as shown in Fig 8. Measure **inboard** 20mm each side of the outline to create aperture size to be cut allowing clearance for channel section and cut aperture in floor to accommodate channel. There is no need to rebate the channel edge into the floor as the levelling compound can accommodate this difference.



Fig 8. Marking Channel Position in Floor

C. Install waste pipe, trap and connect trap to channel ensuring all seals are present as shown in Fig 9. Check for leaks. Replace grating. Install channel into floor aperture and secure using countersunk screws provided. Fill any voids in screw heads with grout and finish flush to prevent vinyl pressure points.



Fig 9. Installation of Trap

D. Follow steps 5 & 6 to create falls to channel.

VINYL FLOOR INSTALLATION

Recommended Materials

- ▶ Vinyl sheet floor & adhesives
- Contact: ALTRO Ltd
- Tel: 01462 707600, Web: www.altro.co.uk

7. Remove all gratings and clamps. Cut coving to required size, apply adhesive to manufacturer's instructions and install coving against walls in usual manner.

8. Cut vinyl sheet oversize for area. Apply adhesive to floor, coving, walls, channel top and flanks as shown in Fig 10 to manufacturer's instructions and lay vinyl sheet in position covering the channel.

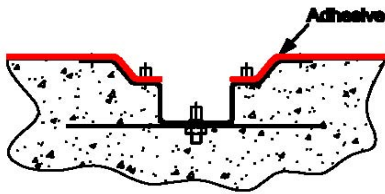


Fig 10. Application of Adhesive

9. Install the vinyl into the coving and corners in the usual manner. Make a cut in the vinyl centrally along channel and notch out clearance holes around clamp posts as shown in Fig 11.



Fig 11. Cutting the Vinyl Into Channel

10. Dress the vinyl into one linear section of channel flank at a time. Do **not** cut the vinyl to accommodate internal and external channel bend features. The use of an evenly applied hot-air gun over the surface of the vinyl adjacent to the clamp to soften the vinyl may be required if the ambient temperature is too low. Apply the stainless steel clamp and tighten evenly using the fixing screws provided as shown in Fig 12.



Fig 12a. Dressing Vinyl Into Channel

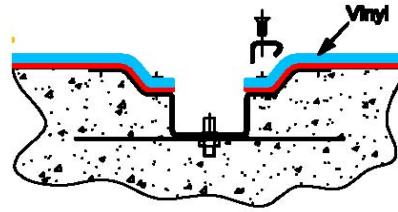


Fig 12b. Vinyl Position Into Channel

11. Repeat the clamping process until circumference of channel is complete. Trim off surplus vinyl flush with clamp as shown in Fig 13.



Fig 13. Trim Surplus Vinyl

12. Complete installation to coving etc.

13. Finally clean channels and area with brush and vacuum cleaner. Fix gratings.

14. Cover the area with thin plywood or stout cardboard and apply weights on the plywood overnight until the adhesive cures to ensure the safety flooring does not ride up out of position as Fig 14.

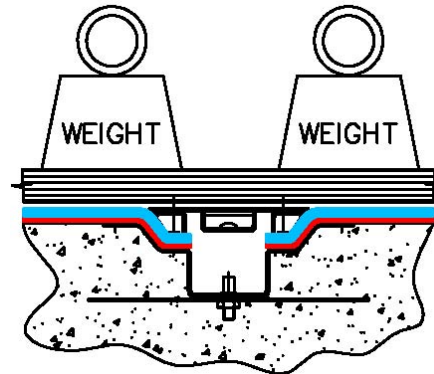


Fig 14. Evenly Applied Weights

ACO Building Drainage

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