



altro

CI/SfB reference
(43) T (U47)

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installation guidance

Altro Transflor Maritime Range

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Storage

Altro Transflor Maritime flooring should be laid in accordance with the Code of Practice BS 8203: 2001 or the equivalent local standard and requirements. The material should be stored for approximately 24 hours at a room temperature of not below 14°C. When laying, the area should be at a steady temperature of between 14°C and 27°C for at least 48 hours prior to, during and for at least 24 hours after completion. The material should be checked for any possible faults prior to laying and should be cut into lengths and laid loose for conditioning before adhering to the subfloor or a minimum of 2 hours.

Ensure that the material used in any one area is from the same manufacturing batch and that sheets are laid in the same direction. Rolls should be stored upright in a clean dry environment and must be handled with care to avoid any damage.

Subfloor

The subfloor must conform with the requirements of BS8203: 2001 or the equivalent local standard and requirements. All subfloor must be smooth, dry and free for any contaminants liable to impair adhesion. They should be of a suitable strength and design to receive a thin floor covering.

Forming of the Cove

In areas where the Altro Gallium is to be Self Coved, a supporting Cove approximately 40mm in radius is required to be formed at the junction of the Wall and Floor. Altro recommend that in Part 2 and 5 compliance areas, this Cove is formed using Ardex Ardite smoothing compound prior to the self coving of the Gallium product. Ardex Ardite is an IMO compliant product – other suitable IMO compliant products may be used.

Adhesive

To adhere the Altro Transflor Gallium to the Subfloor, Altro recommends the use of Altrofix 19. Gallium has been tested with Altrofix 19 to ensure compliance with part 2 and 5 of the IMO FTP Code. If the installation requires the Gallium to be Self Coved to the perimeter of the walls, Altro recommend the use of F. Balls, Styclobond F60NF contact adhesive, which is also IMO certified.

Alternative adhesives may be used if they have been certified separately. It is the responsibility of the user to ensure that alternative adhesives have correct certification for the area in which they are to be used, and are compatible for use with Gallium. In areas where fully compliant material is not required and part 5 material may be used a suitable Altrofix or equivalent adhesive should be selected.

Laying

In areas that are subject to moisture spillage, the complete installation must be sealed ie: the use of conventional clamping or welding type drain gulleys and access covers, sealing of pipes, toilet pans, door frames etc. and the use of appropriate sealing methods between the junction of the Altro flooring and the wall covering or other floor surfaces.

Refer to the Altro detail diagram sheet of the appropriate finishes. Once the material has been conditioned, the joints can either be cut in before or after applying the adhesive. This will depend upon the preference of the flooring installer, however in large installations if the joints and/or the perimeter has been cut in, any movement of the sheet whilst placing it into the adhesive will create a problem. Turn the material back and apply the adhesive to the subfloor in accordance with the manufacturer's instructions.

After the specified open time, which can depend upon the subfloor, place the floor covering back into the adhesive pushing out any air bubbles. Remove any excess adhesive immediately using a damp cloth. All joints within the sheet should be cut in, grooved and hot welded.

Grooving

A 3mm groove must be cut evenly along each floor joint (except internal/external mitres) using a hand or automatic rotary grooving tool. Use of the special Altro automatic grooving blades is recommended as standard blades are quickly destroyed when used on safety flooring.

Forming a hot welded joint

After cutting in and adhering the sheet flooring, all joints must be welded with Altro Weldrod™, using a hot air welding gun fitted with a 5mm high speed welding nozzle. Internal and external mitres should be either hot welded or fitted with Altro One-cove mitre cover plates. (See separate datasheet). After a long period of use, the filter of the welding gun may become clogged with debris. This must be kept clear to reach the optimum weld temperature. Where possible, allow 12 hours between laying and welding, to ensure the adhesive is properly set.

Welding

The internal and external mitres on the coved sections should be welded first. Turn the speed nozzle at the end of the welding gun to the up position, for easier starting, or use an Altro coving speed nozzle. Once these are finished, turn the nozzle to the down position to hot weld the grooved floor joints.

Finishing

Once the weld has cooled and set, trim the weld flush with the surface with the most appropriate tool. For floors use the spatula, for external mitres use the square router blade and for internal mitres the round router blade. For details on equipment and tools, refer to Altro's Recommended Equipment and Tools data sheet.

Protection and maintenance

Altro Transflor Maritime flooring should be covered and protected from all other trades with a suitable non-staining protective covering.

For maintenance of these products refer to the Altro Transflor Maritime cleaning and maintenance recommendations.

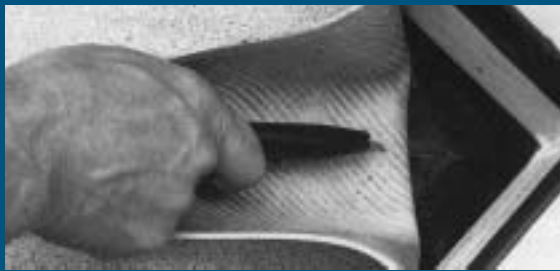
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Forming an internal mitre



1. Once the main flooring is laid and adhered, push the flooring into the internal angle as far as possible.



2. Make a cut from the base out to the top of the flooring in line with the mitre.



3. Fold in one side of the mitre and carefully cut off the surplus material.



4. This completes the first part of the mitre.



5. Fold in the second side and carefully cut in to complete the joint.




6. Adhere and hot-weld the joint.

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Forming an external and internal mitre on a make-out section



1. Roughly cut the flooring oversize to meet the required section.



2. Once the main flooring is adhered, cut in the back and front mitres, then cut out the section to remove the make-out.



3. Take a separate piece of flooring roughly cut to size, apply adhesive, position and cut to fit the back internal mitre.



4. Cut in the front external mitre.



5. Groove and hot weld to complete the section.

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Welding an internal mitre



1. Groove the lower section of the joint, but not the upper.

2. Trim the weldrod with the round router blade.

Welding an external mitre



1. Groove the floor and bottom section. The top section of the mitre forms a natural 'Vee' and does not need grooving.

2. Start welding the mitre from the top, with the weldrod feed above the nozzle. When welding the floor feed the weldrod below the nozzle.

3. Allow the weldrod to cool completely, then trim surplus with the spatula.

4. Chamfer off the external mitre with the square router blade.

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