



Metal Profiles

Aluminum Component

Under normal conditions the extruded aluminum sections are extremely durable, but the following should be taken into account when specifying:

- Aluminum is attacked by alkali in some mortars and plasters in wet conditions
- Electrolytic corrosion is likely when in contact with some metals, particularly copper, copper alloys, iron and steel. Although it is not affected by most timbers, corrosion is very likely when in contact with wet timber, such as western red cedar, douglas fir and oak.

Installation

Stair Nosings

It is recommended to use a multi-purpose contact adhesive in conjunction with mechanical fasteners. Stainless steel screws must be used for exterior or wet installations. We supply all nosing profiles pre-drilled for counter-sunk screws at max. 200mm centers.

Ideally, damaged or badly worn steps should be repaired prior to fixing the Tredsafe stair finishes. When using a contact type adhesive to provide a firm bed it is important to depress the nosing into the adhesive beads then remove immediately, allowing for solvent evaporation. The Tredsafe stair finish is re-positioned and the screws then installed. Installation of the Tredsafe insert is achieved by removing the backing paper and then pressing firmly into the profile.

Detail Trims

Installation of DT trims are similar to the stair nosings recommendation above except certain profiles are not predrilled or c/sunk as they do not require mechanical fastening to the substrate and are either glued or set in place with floor levelling compound or similar.

Cleaning of Aluminum Profiles and Trims

Prior to installation of the profile or trim, the substrate must be free of dust and contaminants especially if a contact adhesive is being used. Secondly the underside of the profile must be wiped down with a cleaning agent to remove extruder lubricant and possible cutting fluid residue from manufacture. It is recommended to use Denatured or Isopropyl Alcohol on a lint free cloth and allow to dry. This enhances the adhesion bond between the substrate, metal and adhesive.

Insert

Resistance Properties

Tredsafe insert is resistant to attack from ultraviolet light, oil, grease, petrol, salt, dilute acids and alkalis, common household chemicals and detergents. Organic solvents will soften Tredsafe insert.



Maintenance

Tredsafe insert is produced with a polyurethane coating which reduces dirt retention. The three-dimensional pyramid pattern which provides excellent slip resistance in the wet will require more care than a smooth flooring surface. As with any flooring, regular maintenance is important to prevent excessive soiling.

Cleaning

If required:

- Manual cleaning - scrub with a neutral floor cleaner and a suitable scrubbing brush/mop. Remove dirty water with a cloth and mop then rinse with clean water and allow the insert to dry.
- Machine cleaning — a neutral floor cleaning in conjunction with a combined scrubber drier or rotary machine (150-180rpm) with a suitable brush* or a cylindrical brush machine will produce best results. Rinse with clean water when necessary and allow the insert to dry.

*Note: For rotary machines and scrubber driers, standard brushes should be used on Tredsafe's DiamondTred insert. Soft brushes should ideally be used on the insert. Cylindrical brush machines with equivalent brushes may be used as an alternative.

Periodic Maintenance

Clean the floor periodically using the manual or machine methods above. Clean heavily soiled areas with a neutral floor cleaner which should be allowed to soak on the floor for a few minutes before scrubbing. Rinse well with clean water when necessary and allow the floor to dry.

Please note:

Do not use seals, polishes and floor maintainers containing polish as the slip resistant properties of the insert could be reduced.

Cleaning Chemicals: Use of degreasers and high alkaline pH11+ or highly acidic pH5 or less cleaning products are prohibited and may damage the insert. Use of quarry tile cleaner is not appropriate for PVC products.

Installation

The Tredsafe DiamondTred insert will be sold in lengths to match the profile lengths sold (currently 6ft & 8ft) and have the adhesive resin backing tape already applied ready for install. The width of the profile insert channel (not all DT trims require insert) determines the width of insert required. They are manufactured to 13, 43 & 53mm allowing them to fit precisely into the insert channel of the profile if required. Ensure profile insert channel has been wiped clean with denatured or isopropyl alcohol and then follow the install instructions on the page below.

When Tredsafe insert is used as a flooring it should be installed using an adhesive recommended for the under floor and environment. The adhesive manufacturer's directions and instructions should be followed closely to ensure maximum bond strength. Tredsafe insert is heat weldable and can be seamed with PVC liquid weld. For exterior use, or where water may be present, a 2-pack epoxy or polyurethane should be used, again following manufacturer's instructions.