INSTALLATION INSTRUCTIONS

Substrate Preparation

Proper substrates must be used and careful bonding procedures must be observed. Substrates should be of good quality plywood, high density particleboard or high quality gyprock. The more resistant the substrate is to dimensional change (shrinkage and/or expansion from changes in humidity and temperature) the better the long-term results will be.

The face of the substrate must be smooth and free of grease, wax, dust, chips, and other foreign matter.

A warm and dry environment should be provided for Those Metal Tiles and substrates prior to installation. Tiles must be stored flat prior to installation. If removed from packaging please ensure they are weighted down to keep them completely flat.

Installation performed in cold temperatures may affect long-term results. We recommend the use of balancing sheets. They act as a moisture barrier to ensure a balance construction. If possible, balanced construction should be used with sheets of equivalent expansion and shrinkage ratios. Please note that That Metal Company metals experience minimal if any change in dimension.

Failure to comply with these recommendations may cause failure of your application. Most substrates experience a change in dimension that may be significantly different to that of the metal. This difference may cause the metal tile to pull away from the substrate or buckle at its weakest point of adhesion.

Adhesive

Our double-sided transparent distortion-free film is coated with a heavy coat weight of modified acrylic adhesive and separated by a red Polypropylene film liner. As this has already been applied to our metal tiles you are guaranteed an even and uniform application of the adhesive.

To bond Those Metal Tiles to your substrate simply remove the backing paper, align along your guidelines (refer Installation Guide and Video), apply firm even pressure over the entire surface.

Once you have started to apply a tile try not to realign it. Your adhesion has begun on contact. Removal of a partially applied tile my cause stress in the metal tile which may cause buckling and bond failure.

The performance features are of excellent initial adhesion and final adhesion resulting in high shear strength bond. It is resistant to ageing and the influence of chemicals especially domestic cleaners and polishing agents. Bonds well to plastics, polycarbonate, metal, glass, rubber PE, gyprock and many other surfaces. Has very good low and high temperature resistance.

Water Resistance

Those Metal Tiles are recommended for kitchen and bathroom splash backs, wall panelling, cabinetry and feature pieces. They are not recommended in wet areas. General cleaning with a damp cloth is advisable. If application is in a high moisture area we recommend the tiles be applied to a moisture resident board/substrate. Additional sealant/coatings may be applied for added protection if necessary.

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Cutting, Machining, Routing and Sawing

Caution:

In all cutting, machining and finishing procedures safety googles, gloves, long pants and long-sleeved shirts must be worn and precautions must be taken to protect eyes from metal particles. Caution should be exercised in handling pieces since burred edges can cause cuts. Metallics will conduct electricity and can cause shocks or short circuits when in contact with ungrounded electrical circuits.

Cutting and Machining

Most hand and power woodworking equipment and techniques may be used to work That Metal Company's metal finishes (including heavy duty scissors). All blades must be sharp, and the use of carbide-tipped cutters and multi-fluted router bits are recommended. Dull cutters create excessive chipping and burring and reduce the quality of the work.

To remove any burrs that may occur, use a smooth mill file to feature all corners and edges. Always file down on the decorative surface. Air operated filers may also be used.

Routing

Routing may be done using electric or air powered routers. Sharp multi-fluted carbide cutters are necessary; the larger the diameter of the cutter the better the results. The speeds recommended are the same as those used in standard woodworking practices.

It is important to use a router having adequate horsepower to maintain cutting speeds. It is also important that the cutter travel direction is against the cutter rotation. For edge trimming, high speed trimmers should be used (approximately 22,000 RPM) and will produce smooth burr-free edges. The less material cut, the smaller the burr: 1/8" of material should be the maximum. Use special care at corners to avoid bending of the metal. Protect the surface from scratches by riding the router base on a strip of 0.020" backing sheet or equivalent.

Sawing

To minimize burring and edge distortion, it is important that the saw blade teeth cut into the decorative face, with the blade height about 1/4" above the material, and the saw access plate refitted to reduce free spacing surrounding the blade. This may be accomplished by using a 1/4" hard board as an overlay carrier board. Hold down on either side of the blade will help reduce chatter.

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Warranty Disclaimer and Liability

The information in this Technical Specification Sheet and all related documents released by That Metal Company are believed to be reliable; however That Metal Company disclaims the creation of any expressed or implied warranty including the warranties of merchantability and fitness for a particular purpose with respect to That Metal Company products. In all cases, users must determine the suitability of such products for any particular use and shall assume all risk and liability whatsoever in connection herewith.

Since we exercise no control in handling, storage, application and use of these products or the products of others with which they are used in combination, no warranty, express or implied is made as to the results and effect of their use. User must also establish his or her own procedures and verify the finish of any product to be as ordered before use. We recommend testing all procedures before beginning production or installation. Buyer's exclusive remedy for a loss or claim resulting from the use of That Metal Company products shall be replacement of product proven to be defective. In no event shall the Seller be liable for any special, incidental, consequential or exemplary damages.

Certifications

That Metal Company Chemetal finishes are ASTM E84-05 Tested (Class A Fire Rated)
That Metal Company Chemetal finishes are also IMO and Coast Guard Certified (164.112/EC1347) for most products.

Important

This information is intended to be a general guideline.

For further information please contact:

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