Usable Surface Installation Inspection Log Instructions

This document is meant to provide users a basic understanding of how to use the Usable Surface Installation Inspection Log. The Usable Surface Installation Inspection Log and these instructions may not perfectly apply to all mounting surfaces, situations, and/or installation methods. The instructionsThe installation instructions (and therefore the instructions in this log) should be modified or replaced by documents that are specific to the mounting surface, mounting hardware, and real world installation methods determined to be most appropriate by a trained and certified industry professional. These installation inspection logs in combination with either the Usable Surface Inspection Log (or the appropriate documents replacing them) should be used in combination to assure the continued appropriate use and condition of Usable Surface products to minimize the risk inherent with their use.

Product ID

This should be found written on the inside of the product. If at any point this ID is challenging to read, it should be re-written in legible and permanent ink on the inside of the product for future reference. If it is illegible and do not have a way of discerning it, we recommend reaching out to Usable Surface Workshop for advice.

Family Name

This information will be available from the ordering form on which this product was purchased. It is recommended that a note be kept on the inside of the product with this information so that it can be referred to l on future Installation Inspection forms and Inspection forms.

Size

This information will be available from the ordering form on which this product was purchased. It is recommended that a note be kept on the inside of the product with this information so that it can be referred to consistently on future Installation Inspection forms and Inspection forms.

Does the mounting surface meet standards for hosting the installed products?

Ensure that the mounting surface is an approved surface based on the Usable Surface Best Practice and Warranty Information sheet and/or a documented and licensed installation methods document from a qualified and licensed professional but MINIMALLY:

1) That the volume is mounted entirely onto a single surface.
2) That the mounting surface is flat.
3) That the mounting surface is ¾”, 14 ply, baltic birch plywood (or structural equivalent)
4) That installation procedures have been documented and approved by a qualified industry professional for this specific mounting surface.

Is the mounting location free of imperfections or defects?

An affirmative check of this inspection item implies that the mounting surface (and specifically the areas immediately adjacent to the product mounting sites) was inspected and found free of imperfections and defects. This includes ensuring that the front and the back of the mounting surface are free of excessive damage including but not limited to:

1) Seams between panels of the mounting surface
2) Nearby screw holes
3) Nearby t-nut holes
4) Excessive coating thickness
5) Structural elements backing the mounting surface
6) Nearby un-secured sections

7) Cracking, softening, or other damage

Was the facility approved mounting protocol used for this installation?

There is every reason to believe that installation methods recommended by the Usable Surface Best Use and Warranty sheet AND/OR the methods outlined in a document that supersedes that document and was prepared by an industry professional specifically for these products and this mounting surface were followed.

Are all of the mounting sites used and in good condition?

Confirm that all mounting sites installed in the product have been used, used correctly, and are in good working order. In depth mounting site inspections should happen regularly and be logged using the Usable Surface Inspection Log, however, each installer should quickly confirm the condition of the mounting sites prior to installation and the mounting sites should be inspected after installation to confirm that no damage was done to the mounting site as a result of over tightening during the installation. Confirm that the mounting site has a mounting washer embedded at the site. Look for evidence of the mounting side being crushed such as the mounting washer being pushed into the product or twisted.

Does the mounting hardware meet specifications?

The mounting hardware meets the minimum standards mentioned by the Usable Surface Best Use and Warranty sheet and that these specifications were adopted by the installer with the aid of an industry professional with specific information about the mounting surface being used. Minimally (and assuming that the surface is precisely ¾", 14 ply, baltic birch plywood), the mounting hardware should be #9 deck screws with appropriate shank and thread lengths to fully penetrate the mounting surface without embedding the shank into the mounting surface.

Are All Mounting Sites Tightened Properly?

Confirm that installation was made to the appropriate torque as determined by the mounting hardware and mounting surface in question. Confirm that the head of the mounting hardware is firmly holding the mounting site to the mounting surface. There should be no flex or movement possible at the mounting site. Additionally, ensure that the mounting site does not appear damaged by the installation.

Is all hardware used for installation appropriately embedded into the mounting surface?

Ensure that mounting hardware is aligned to be as close to perpendicular to the mounting surface as is allowed by the geometry of the product and the mounting site. Ensure that the mounting hardware is fully penetrating the mounting surface (or is otherwise within specified engagement parameters set by an industry professional with knowledge of the mounting surface and hardware involved). Ensure that the mounting hardware does not have any unthreaded section within the mounting surface.

Are all structures secured to the product done so using an approved method?

Ensure that all structures secured to the product are secured using methods approved by both the Usable Surface Best Practices and Warranty document and the manufacturer of the structure being mounted. If the structure is mounted using a t-nut on the Usable Surface Product ensure that that t-nut, the t-nut hole, and the bolt used for the attachment are in good condition and that the bolt is tightened to the mounting structure manufacturer's specifications.