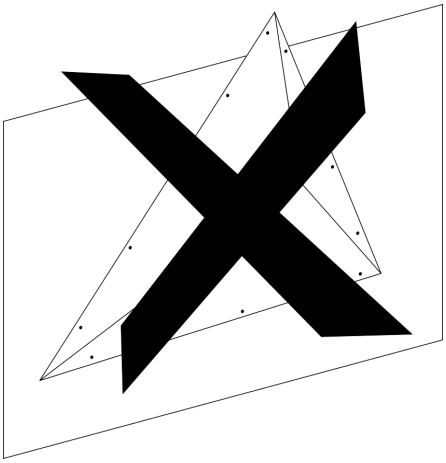
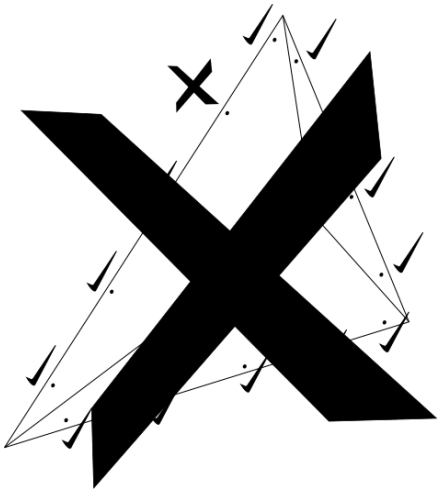
USABLE SURFACE PRODUCT USE AND WARRANTY INFORMATION

Recommended Use and Best Installation Practices

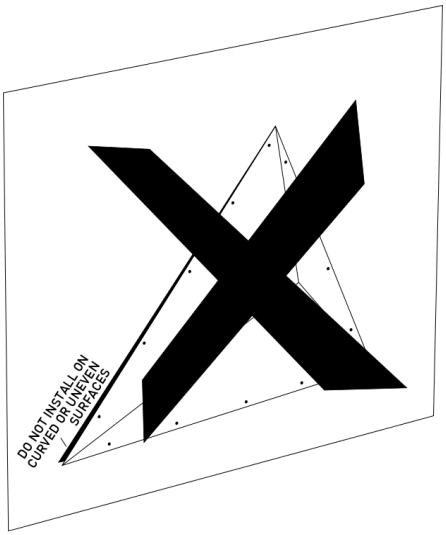
This document is a manufacturer's recommendation with no specific knowledge of your particular climbing surface and is meant to be a resource to recommend minimum mounting procedure standards and to inspire customers to seek more specific advice from a qualified professional to create a best practices installation guide for their particular mounting surface. Installation procedures described below do not apply to all mounting surfaces nor to all situations on the same mounting surface. All installation guidelines discussed below presuppose proper and regular inspection of the mounting surface by a trained professional, specific pre-inspection of the area the product will be mounted by the installer to ensure that there are no imperfections or weaknesses in that area of the climbing surface, and that all installation hardware is not previously used.



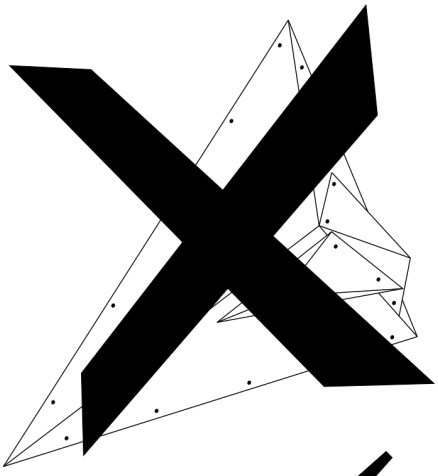
Usable Surface products are intended to be mounted directly to a wall made exclusively of ¾", 14 ply, baltic birch plywood. They should never be mounted to anything besides a wall specifically designed and certified by an engineer to serve as an indoor climbing wall. Every mounting site on the product should be utilized every time the product is mounted. Mounting sites are necked washers installed along the edge of the products and serve as reinforced sites which protect the product from damage due to repeated installation. When mounting other structures to Usable Surface products they should be mounted fully to a single panel of the product. Other products should not be mounted onto curved surfaces of Usable Surface products. Users should mount structures such that expected live loads apply tensional force on the mounting edge of the product and compressive forces on the raised edges (or "spines") of the product. Do not install Usable Surface Products on curved or uneven surfaces. Mountain screws should be visually inspected to confirm that they make full penetration with the plywood prior to use.



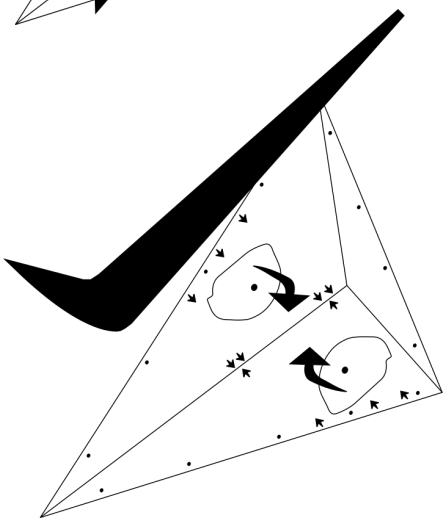
When installing Usable Surface products ensure to tighten screws to a snug fit with #9 deck screws long enough to embed a minimum of ⅝" of the threading of the screw into the mounting surface (ideally the screw fully penetrates the mounting surface with only the threaded portion of the screw present in the mounting surface). During installation, care should be made to prevent the non-threaded necks of mounting screws from being embedded within the mounting surface. This decreases the pull-out strength of the mounting screw. During installation, align screws roughly perpendicular to the climbing surface. Products with steep panels will require screws to be installed off-perpendicular to the mounting surface. When this is the case, a user should still strive to align the



screw as close to perpendicular as the geometry of the mounting site will allow and using a longer screw may be advised to ensure that full penetration of the mounting surface plywood is made.



Use of a non-impact driver is recommended for installation to ensure sufficient and proper tightening is obtained consistently. Experienced carpenters should determine the required torque setting on a cordless drill to reach the optimum tightness based on the specific screw and mounting surface involved. Under tightening can lead to jarring and excessive force on the mounting sites of the product. Over tightening will damage the mounting site of the product. Both of these can lead to structural failure of the product. Usable Surface LLC, Usable Surface Volumes LLC, and Usable Surface Workshop LLC are not liable for mistakes made during installation. Installation logs and Inspections logs should be kept for all products to ensure best practices are used consistently.



After installing and before using Usable Surface products, installation should be inspected by a 3rd party to ensure correct methods were used during installation. Please refer to the Usable Surface Product Installation checklist for specific steps to take when executing an installation inspection. Not all aspects of installation can be inspected and so it is also important that all installers are properly instructed and tested on proper installation techniques. We recommend periodic re-training to ensure that good practices are maintained as improper installation can cause damage to the mounting sites that will decrease the structural integrity of the product over time.

Usable Surface products should be inspected regularly for damage along the edges, raised corners (or “spines”), and at the mounting attachment points. If damage is observed at these locations immediate retirement of the product may be warranted. Please consult our Inspection Log and Inspection Procedure document for more information. Products have an estimated lifespan of three years but accelerated wear to the attachment points or other types of damage may decrease this estimate significantly. It is recommended that an inspection and installation log are maintained for all Usable Surface products. Sample inspection and installation logs are provided at the end of this document. If you have questions or concerns regarding best use practices of Usable Surface products please reach out directly to us at workshop@usablesurface.com.

Usable Surface Product Warranty

Usable Surface products are warrantied for 1 year. Products are not warrantied against misuse, being dropped, damage expected to occur due to normal use, or damage incurred to structures that do not have documented use histories. If a structure should break under normal and documented use within the warranty period a replacement or refund may be available. Shipping charges may be applied to replacement products. If you have questions or concerns regarding the warranty on Usable Surface products or you would like to inquire about warranty coverage for products purchased from Usable Surface please reach out directly to us at workshop@usablesurface.com with all applicable documentation and pictures of the product(s) in question.