

How to Install a Commercial Metal Door?

Commercial metal doors provide your business with added protection from outside influences while adding a beautiful aesthetic. However, you should take extra precautions when installing this type of door to ensure its correct installation - failure to do so properly could result in security breaches as well as injuries for both workers and members of the public. Visit <https://ninstallers.com/> if you are looking for a commercial metal door installer.

Choosing the appropriate material for your commercial door is crucial, as its longevity and maintenance costs depend upon it. Common options for doors in office buildings and storefronts include fiberglass, aluminum, and steel - with fiberglass being popular due to being economical, while aluminum is also being sought-after by many owners.

When installing hollow metal door frames, it is essential that the opening is wide enough and level in order to avoid issues with door fit and hardware function later on. Measure the frame's width starting from its exterior side jambs and add half an inch before measuring its height - at least 1/4 of an inch higher than the floor!

Make use of a level to position the frame within its rough opening. When finished, secure it by hammering in anchor ties that must fit around jack studs if they aren't already there.

Once installed, it's important to attach both bottom and middle hinges on the frame using machine screws included with your hinges to reinforce at both locations of the top and bottom hinges. Usually, this process uses top hinge locations with frame reinforcement as anchor points.

If your door features a cylindrical lock/deadbolt or mortise lock function, drilling holes through the foam in its face frame to accommodate their bolts is required for optimal functioning. Your manufacturer should provide a manufacturing template that outlines this step.

Many manufacturers provide built-in features that enable you to modify the size of the hinge pocket on your frame. These modifications vary between manufacturers and can include removing pieces of pocket material in order for thicker heavyweight hinges to fit comfortably, helping reduce the force used to close doors.

In general, it's best to install the bottom and middle hinges before the top one - if unsure, seek advice from your hinge manufacturer for guidance. Before installing the top hinge, it is essential that any wood wedge or other supports under the door are removed and verified that there is enough clearance between the rabbet of the frame and the edge of the door for free swinging of both opening and closing actions.