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**ASSIGN
BUSTER**

The corrugated metal roof, usually made of tin, is a fast and economical material that keeps the water out and can, of course, serve to create a corrugated roof. Consider the following to learn how to install a corrugated metal roof. Prepare the roof surface by removing any old roofing, rotting wood and laying asphalt cloth over the entire surface. • The asphalt cloth is cheap and easy to install: merely nail the sheets to the forest, overlapping each layer about 10 cm (3 to 4 inches) each. Calculate the number of corrugated metal sheets you will need.

Divide the area of your ceiling by the size of the plates you are going to use. Remember that you will have to overlap the plates. Place the first metal plate in a corner of the roof, flush with the surface.

Nail the first metal plate to the roof wood. You must use about 20 nails per plate. Nail the joint whenever possible, between the ridges, where the roof is closest to the forest. Place the second metal plate next to the first with an overlap of 10 cm (3 to 4 inches).

Secure the plates together using hexagonal head screws and washers. • Align the crests of each metal plate whenever possible. This will cause a more airtight roof to form and be more comfortable to drill for the screws.

Screw between the spaces where you have nailed the first board of the wood. Nail the second metal plate to the ceiling. Continue with the other plates, overlapping them on all sides of each of the plates except the edges of the roof. Secure the ridge caps to the lower edge of the roof. Follow the same process as when installing metal plates: overlap the ridge caps with

each other and with the dishes, using hexagonal head screws and washers where the metal overlaps and nails where the ridge caps are fixed on wood.

- You should use about 40 pins for each full ridge cap. Test the roof for isolated spots or places where water can leak. If any tent is loose and fastened to other metal sheets, secure as much as possible with nails or screws. Fiber cement roofs resist 30 more years than zinc. The severity of the weather, presence of alkalinity in areas near volcanoes, saltpeter of coasts and beaches are factors that considerably deteriorate the roofs. However, in recent years, high-strength materials have positioned themselves in the Central American market, such is the case of ceilings manufactured with fiber cement technology.

Plycem, a pioneer company and leader in the manufacture of this technology, affirms that fiber cement roof covers are highly resistant and offer differentiating values that are not incorporated in zinc or metal roofs.” Laboratory tests have shown that with proper maintenance, fiber cement ceilings can last more than 30 years without losing mechanical properties or impermeability, while a metal roof begins to lose its longevity and reflective properties from the early years of installed “, affirmed Mr. Mario Rivas, international expert in ceilings of Plycem, Riva, based in El Salvador, a country that leads the research and development unit of this product, marketed with great success in many countries of the region, affirms that fiber cement ceilings fulfill a higher yield than any metal.

The fiber cement technology developed by Plycem has as differentiating advantages the incombustibility, reduction of noise, considerable reduction

of heat inside the housing unit, reasons that confirm why it can become a strategic ally for construction in the Central American region. But this roof also contributes to the safety of those who install it because it is not a conductor of electricity such as zinc or metal, thus reducing the likelihood of an accident by electric shock or even lightning. It is important to mention that metal sheets refract heat well, but as the years progress and they begin to oxidize, noticeable changes can be noted with the thermo resistance of that material. However, with a fiber cement roof of the Eureka brand from Plycem, heat reductions between 8 and 10 degrees Celsius can be generated.” These fiber cement ceilings grew 1500% compared to 2013, this is a clear sign that the roof market for new construction or total change of damaged roofs, is in search of competitive solutions in price but with added values that can not be achieved in a traditional zinc roof “ finished, Eng.

Rivas. About us: Design and construction of metal structures for roofing in the non-flammable area, in the brenntag plant, located in the O’Donnel airport industrial park, which includes: architectural project, civil works, fabrication and assembly of metal structures, cleaning and painting application in structures.