

MAY 2022 – Rev 0

This issue supersedes all previous issues

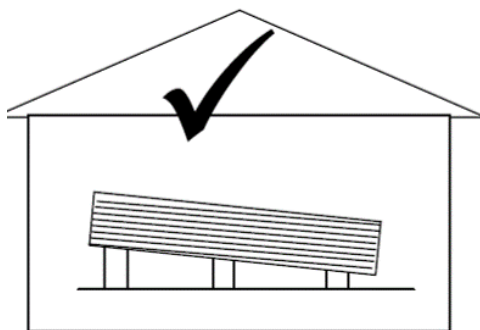
Good Practices in Steel Sheets Storage & Handling

INTRODUCTION

Pre-painted & galvanized steels were widely used in construction sectors where the most common phenomenal seen was that these materials were sent to the construction sites after they were formed into roofing systems profiles & waited to be installed but these materials tend to be degraded or started to be consumed even before they were being parts of the buildings in due course of some bad storage & handling practices on site. Thus, it is crucially important to have good practices on storages & handlings for all these materials on site before they were able to be installed as a prime grade material.

Indoor Storage

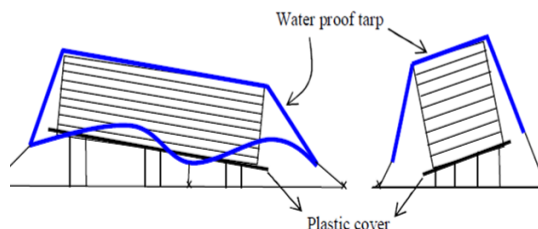
Formed pre-painted & galvanized steels shall all ideally be kept indoors before they were to be arranged for installation even on construction site in order to provide a clean & dry area for these materials to avoid early corrosions.



Proper Outdoor Storage

Given that the case if proper indoor storage is not available, the mentioned materials shall all be stored on site as shown in the image below.

Store Outdoor* = Raise Off Ground on Angle + Loose Fitting Tarp Cover + Plastic Cover under bundles



The formed steels shall be covered with some water-proof tarp like canvas & raised of ground level with angle on with a piece of plastic cover under the bundles to allow water trapped to be flown away as well as direct soil contact.

Proper Handling

All the formed steels that were selected for installation shall be free from mechanical, chemical or other damages sustained during transportation handling, installation, storage erection, subsequent to erection or other external forces. Besides, steel sheets must not be in direct contact with cement ground, soil ashes, fertilizers or other moisture retaining substances too.

If you have any questions regarding this bulletin, please contact our local CSC Steel Sdn Bhd office or visit our website <https://www.cscmalaysia.com/>



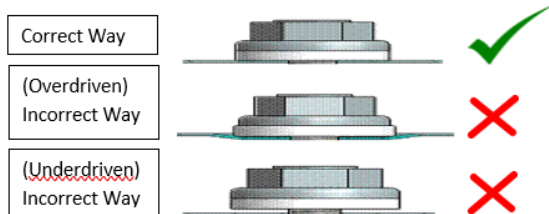
CUSTOMER
CARE

Proper Installation

Pre-painted & galvanized steel sheets that are formed shall be ensured without metal debris attached on the surface prior installation to avoid the occurrence of pre-mature corrosion. Furthermore, these formed steel sheets shall not be installed on areas that are in contact with different metallic matters & they shall be able to allow free water drainage to allow water flows without trapping.

Proper Fastening

Proper screw installation has to be performed as shown below with a rubber liner in between fastener & metal sheet.



Fastener materials must be adequately picked to avoid electro-chemical corrosions among metals where stainless steel fasteners are not advisable while zinc/aluminium coated fastener can generally be used.

SUMMARY

In a nutshell, formed pre-painted & galvanized steel sheets shall be well managed & protected from the moment they left the forming center until they are installed in order to maximize their genuine performances.

REFERENCES

European Coil Coating Association (ECCA)
Storage Guidelines for Pre-painted Metal Sheet Storage & Handling
Page 7 – 11

