

STEEL STORIES

Amazing Coated Steel by BlueScope

STEEL STORIES FEATURE

4 Way To Slow Down Aging In Steel Claddings

Building with steel has always presented an upper hand in achieving design flexibility paired with impeccable durability. Thanks to today's advanced steel coating technology, steel has resisted corrosion like never before, paving way to become the material of choice not only amongst factories but commercial and residential structures alike.

Predominantly, the service life of steel especially in claddings varies due to different factors such as humidity, sun exposure or airborne contaminants. However, there are still ways within your control to truly stretch out the lifespan of steel claddings.

Today, let's explore some of these important considerations.



1. Determining the right roof pitch to deflect rainwater

Crucially for humid countries, determining your roof pitch or roof slope angle affects how your roof reacts to rainwater.

Having the right pitch helps your roof to deflect rainwater and prevent water-ponding issues especially on flat roofs which may lead to slow rainwater drainage or even leaking.



2. Utilising a suitable roof profile to prevent wind uplifts

As wind passes over the roof of a structure, it creates negative pressure (suction) that results in a lift that pulls the roof cladding upwards.

By choosing a roof profile that has sufficient locking strength, the roof can stay intact while withstanding the negative pressure pulling onto the roof.



3. Preventing potential unwashed areas

Unwashed areas are parts of the steel claddings that are not naturally washed by rainwater, allowing accelerated deposit of corrosive contaminants.

Fortunately, steel claddings can be designed to eliminate any unwashed area but if these unwashed areas must exist, it is important to have a cleaning schedule, preferably once in every 6 months, over these unwashed areas to maximise life span.



4. Clearing any direct contact to concrete or soil

It is important that the steel claddings are not built immersed into cement or soil as the continual retention of moisture causes rapid corrosion of the coating alloy. The steel claddings are best cleared from any direct contact to platforms or the ground.

Discover further details on maximising the life span of steel claddings via our [video](#). More information like these can be found in our monthly [Steel Connect Webinars](#). Stay tuned!

Zincalume®

Durability You Can Trust

The Langkawi Underwater World first introduced its new eye-catching building in year 2005; that was soon recognised as one of the island's most notable landmarks. Despite the project's neat and clean outlook, the requirements for construction were extremely challenging due to its coastal location of 125 metres away from the sea, leading to constant exposure to salt-laden air. To tackle this, **ZINCALUME®** steel was introduced as the ideal building material due to its sheer corrosion resistance even amid marine areas.

Recently, an inspection was carried out and it demonstrated that **ZINCALUME®** steel continued to resist corrosion even after 15 years of marine exposure. The portrayed images are taken in the recent inspection, capturing the steel's exceptional corrosion resistance in action. Not only was the steel free of obvious red-rusting, the surface was observed to remain clean and untainted.



This contributes to the good track record of **ZINCALUME®** steel, being a reliable choice especially amid corrosion-intensive areas such as coastal or industrial environments.

Opportunity from Obscurity: An insight into Discovery Park

There is opportunity from obscurity', these are words behind the inspiration of Shafik Zaman Architect when designing Discovery Park @ Gamuda Cove. In this session, we'll be exploring the story behind the architecture; from concept to materials, and the overcoming of different challenges faced

DATE: 24 Sep 2021 (Friday)

TIME: 10AM – 11AM



HOST:
Mr. Rocky Shet,
Technical Engineer of NS
BlueScope Malaysia



SPEAKER:
Ar. Shafik Kamarulzaman,
Principal of Shafik Zaman
Architect

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