

HIGIENE

realZINC™

IT'S TIME TO ARMOUR UP WITH CSC STEEL

“Atchoo!”

Will your building catch a cold?

A sneeze these days might quickly turn many heads. You might even pull up your masks tighter. But, what about sick building syndrome?

The link between the MVAC (Mechanical Ventilation and Air-Conditioning) system and indoor air quality (IAQ) is very relevant today, especially with current precautions on having better ventilation to prevent airborne sicknesses.

RISKY INDOOR AIR QUALITY

The Industry Code of Practice on Indoor Air Quality 2010 mandated by the Department of Occupational Safety and Health of Malaysia states that poor IAQ could occur due to various reasons such as poor ventilation along with humidity, mould and bacteria proliferation, air pollutants and emissions from chemical contaminants. Prolonged exposure to poor indoor quality can be highly risky and detrimental for the occupants' overall wellbeing, leading to serious health discomfort and sick building syndrome, categorised by absenteeism and lower productivity at workplaces.

What's more, with the opening up of the economy and gradual return of people to offices, the risk of infection poses a present danger in confined spaces. The Ministry of Health in Malaysia has advised for the use of efficient air-sterilisation technologies to kill microbes in air handling units (AHU's) or ducting.

ENTER THE INVISIBLE ARMOUR

Enter Higiene Antimicrobial, the latest addition to CSC Malaysia's **realzinc™ GI series**, the first ever made-in-Malaysia antimicrobial GI sheet produced by the leading Melaka-based manufacturer.

With a thickness ranging between 1.0 and 0.2 μm , this unique silver nanoparticles (AgNPs) coated steel offers a safe, reliable, and superior anti-bacterial and anti-fungal defense mechanism besides coating the high-performance substrate of GI sheet with flexibility. Much like a noble knight's armour, the antimicrobial GI sheet is specially developed with the MVAC system application in mind, transforming its performance. This is because the antimicrobial GI steel sheet is formed into thin, flat pieces that can be cut and folded into a variety of shapes, making it suitable for various indoor and outdoor applications.

VERSATILE APPLICATION

Higiene Antimicrobial is versatile and best suited to be applied to various crowd-enabling commercial and industrial settings such as healthcare facilities, food factories, biomedical factory building, airports, and malls to help achieve good indoor air quality. It is also significantly effective for elevator walls, button panels, door panels, and handles.

IDEAL SOLUTION FOR MVAC SYSTEM

The Higiene Antimicrobial is an ideal solution to many common



HIGIENE+
realZINC™



THE **real** TRUSTED ANTI MICROBIAL GI

realZINC™ HIGIENE+ - the antimicrobial galvanized steel with antibacterial and antifungal function is specially developed for mechanical ventilation and air conditioning (MVAC) system to provide cleaner indoor air and prevent building sickness syndrome.



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MVAC

MVAC quality issues. Not only is the antimicrobial GI certified by Food Industry Research and Development Institute in compliance with JIS Z 2801 for its efficacy in suppressing the growth of eight types of bacteria (staphylococcus aureus, acinetobacter baumannii, salmonella enterica, pseudomonas aeruginosa, e. coli, klebsiella pneumoniae, Legionella pneumophila, and penicillium funiculosum), it also reduces 5 types of fungal growth (Aspergillus brasiliensis and Trichoderma virens to name a few) as certified by SGS in compliance with the ASTM G21. In addition to bacteria and fungus, Higiene Antimicrobial functions to tackle the concern of mould in the ducting system.

Further, this new addition in the series of GI antimicrobial product addresses other common MVAC quality issues. As the MVAC is important for keeping the building cool or hot, depending on the needs of the building space, the GI antimicrobial sheet is heat resistant up to 200°C apart of having good humidity resistance.

Aside to boosting the building’s ability to support a healthy indoor environment, Higiene Antimicrobial’s extra smooth surface also ensures good antimicrobial functioning which makes it capable of preventing fluting, slowing down the aging of the component’s surface while inhibiting the visible surface blackening effect. Exceptionally white rust-resistant and better abrasion-resistant, its extra smooth surface lubricity also works well in preventing visible

surface blackening and fluting issue – ensuring a longer-lasting MVAC system without the need for regular cleaning maintenance.

Finally, perhaps one of the best advantages of Higiene Antimicrobial is that it provides the convenience of efficient site installation and handling without worrying about leaving behind traces of unsightly fingerprints.

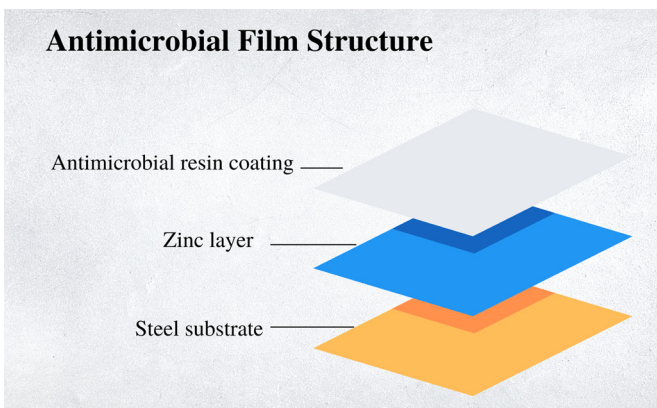
BREATHE EASY

Peace of mind is not just only about how CSC Steel Malaysia will provide the right support and product handling when delivering the GI steel sheet to your site. It’s more about how you will be assured that the occupants of the buildings you develop can breathe easier thanks to this environmentally friendly and functional antimicrobial GI sheet in place.

You can be confident of our stringent adherence to our own quality apart from providing excellent customer support. You won’t expect anything less from the steel industry pioneer of the antimicrobial GI sheet in Malaysia that has proven its mettle after 21 years in the business.

After all, CSC Steel is a Taiwanese-owned steel producer whose forte is in galvanised steep products and colour-coated steel products for the building material industry under our proprietary brand names – realzinc™ and realcolor®. We came up with pickled and oiled steel coils and cold-rolled steel coils, too. Having been listed on the Main board of Bursa Malaysia since 2004, we have leveraged on the management experience and technical expertise of our major shareholder, China Steel Corporation of Taiwan all these years. You can count on our commitment to provide only high-quality products and value-added services.

All the above ensures Higiene Antimicrobial’s distinct advantages to any MVAC system. After all, it’s really is an invisible armour, shielding the occupants from enemies equally unseen.



For more details, please scan this code:

