TOTAL PROTECTION FOR HVAC+R

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COIL DEFENDER EUROPE

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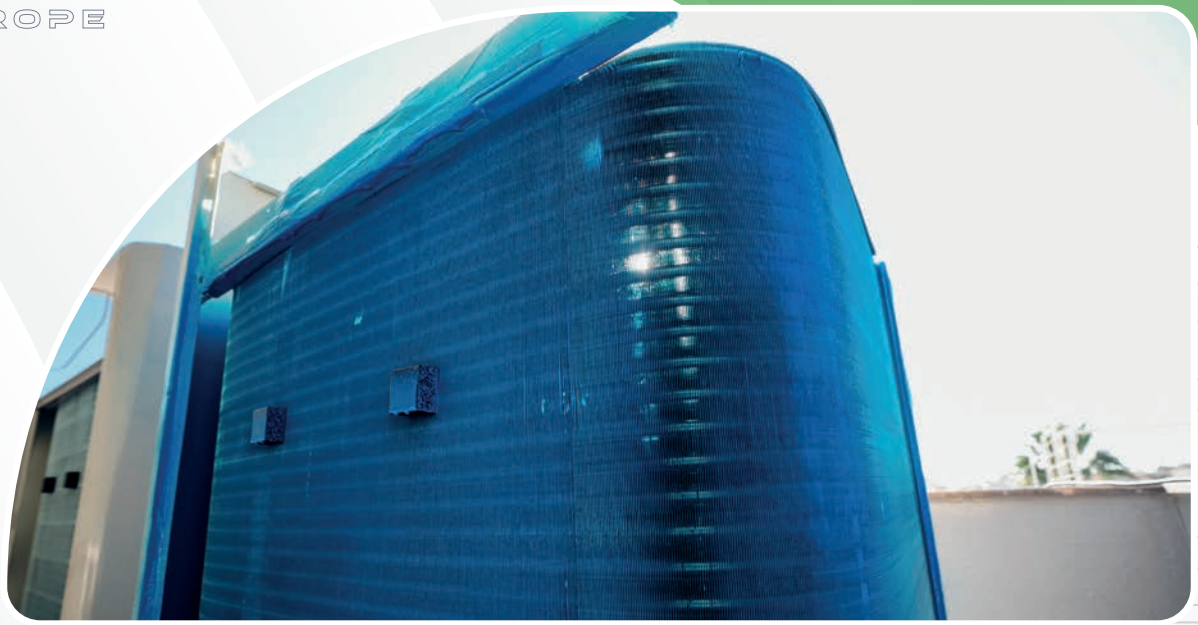
COIL DEFENDER
EUROPE



CORROSION PROTECTION

PROTECTION

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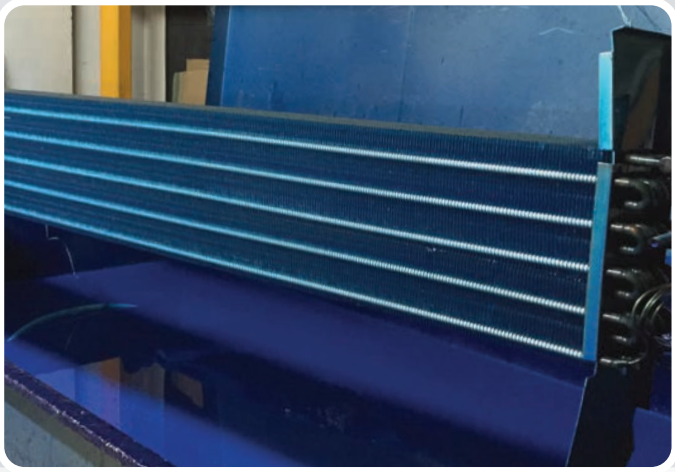
DIRECT TO METAL COATING

COIL CORROSION PROTECTION



Corrosion Protection for HVAC+R

Corrosion is the natural breakdown of metals to their less active more neutral state. It is accelerated by Water, Oxygen, Acids and Alkaline environments. It is important to note this process is natural and automatic.

The most common type of corrosion in the HVAC industry is galvanic corrosion. Corrosion that attacks copper and has become a significant problem in the HVAC industry is called formicary corrosion.

Whichever type of corrosion is affecting the HVAC coil will lead to increase energy usage and increase maintenance costs.
Protecting the surfaces of heat exchange coils with a coating can significantly improve the lifespan of the unit and reduce both energy usage and maintenance costs.

Direct To Metal (DTM) Coating

COIL DEFENDER DTM is a direct to metal high gloss water-based co-polymer specifically designed for use on HVAC Coils, industrial and marine direct to metal topcoat applications for external/internal exposures where long-term durability is essential. It is suitable as an alternative to powder coating. The coating exhibits excellent performance properties, including high gloss, anti-corrosion resistance and excellent salt spray resistance. The formulation, in addition, provides hydrophobic and anti-microbial (silver ion) film characteristics which increase efficiency of HVAC systems and improve indoor air quality.

(DTM) COATING

Direct to Metal (DTM) Coating

Superior corrosion protection for all ferrous and non-ferrous surfaces in HVAC systems

DTM is the first direct to metal water-based coating specially designed to stop corrosion and improve efficiency on the heat exchange surfaces and metal components of air conditioning systems. Provides superior corrosion protection with a thin water-resistant easy to apply film. This thin film does not affect heat exchange, maximises airflow and reduces microbial contamination.

Efficiency improvements occur because of two special advancements in the coating:

Firstly, the coating is SUPER Hydrophobic, repelling water and dirt from the metal surfaces. This feature improves efficiency and reduces corrosion significantly. Secondly the COIL DEFENDER coating is impregnated with Silver Ions stopping the growth of mould and bacteria on the coated metal surfaces.

Features

- Non-toxic and environmentally-friendly.
- Water-based acrylic resin.
- Provides super hydrophobic and antimicrobial (silver ion) film characteristics suitable for both the topcoat and maintenance applications.
- UV resistant
- Flexible and highly resistant to aggressive environments.

Benefits

- Increases both the corrosion resistance and the overall performance of the heat exchange surface.
- Can be applied with an airless or high-pressure spray gun.
- It can be applied to previously coated fins without pre-treatment
- Improves energy efficiency and air quality.

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CLEANERS & SANITISERS

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Enzymatic Sanitiser & Cleaner

Coil Defender Enzymatic Sanitiser and Cleaner is a highly concentrated ONE STEP HVAC sanitiser and cleaner registered with the TGA to KILL COVID 19.

Features

- Highly concentrated pH neutral cleaner for all HVAC components, including evaporative coils
- Cleans and sanitises in one step.
- Non-toxic and environmentally-friendly.
- KILLS COVID 19.
- Highly concentrated formulation mixes 50:1 with water

Benefits

- Clean and sanitise in one step.
- Will not damage HVAC equipment.
- Safe to transport and store
- Highly concentrated formulation mixes 50:1 with water

Passivated Cleaner

The passivated cleaner is a highly efficient detergent designed to remove dirt, oil and contamination from heat exchange surfaces without damaging or reacting with the metal surfaces. Although the cleaner is alkaline it does not react with any metal components.

Features

- Highly concentrated formulation mixes 100:1 with water.
- Strong degreasing capacity.
- Odour-free.
- Non-toxic and environmentally-friendly.
- Non-corrosive

Benefits

- Removes grease and dirt from all HVAC and Refrigeration coils.
- Improves system efficiency without destroying heat exchange surface.
- Safe to use without specialised equipment.
- Safe to transport.

CLEANERS & SANITISERS

24 HR PROTECTION

Hand Sanitiser

High grade and non-toxic disinfectant that kills 99.9999% of germs & viruses.

A high-performance alcohol-free hand sanitiser that is environmentally-friendly, safe and non-toxic

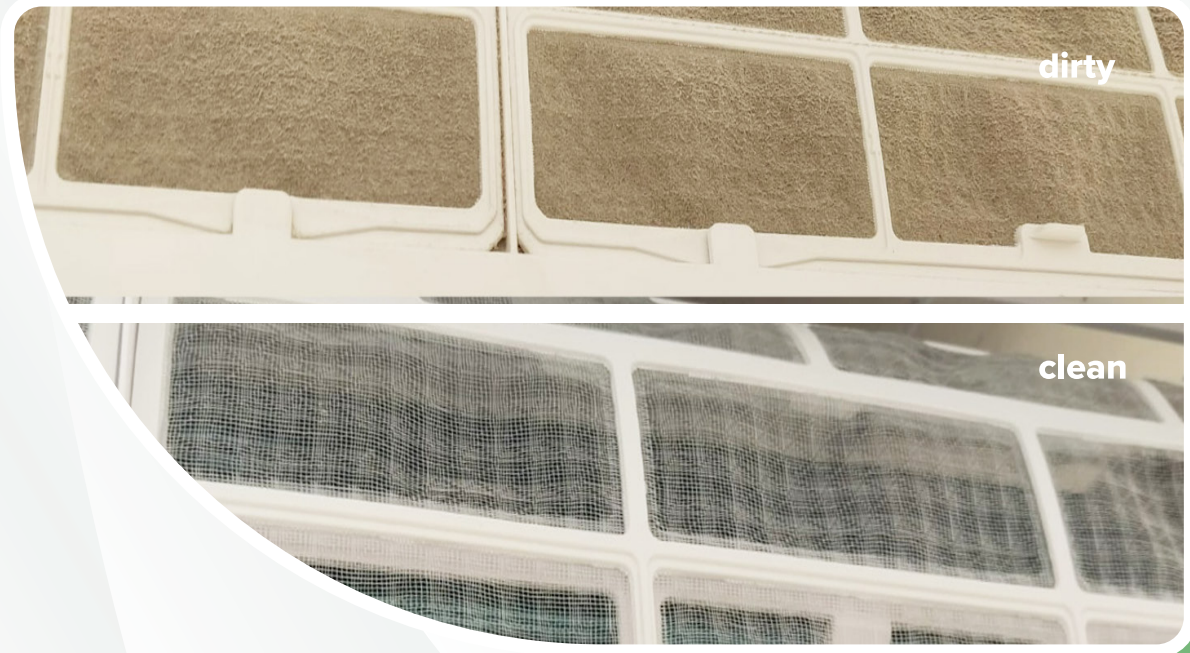
Features

- Active ingredient has TGA approval by manufacturer
- Non-drying, alcohol-free sanitiser
- Non-flammable
- Mild lemongrass fragrance
- Non-toxic and safe
- Environmentally-friendly
- High performance

Benefits

- Disinfects and protects against germs and viruses for up to 24 hours.
- High grade disinfectant that kills 99.9999% of germs & viruses.

TREATMENTS



COIL DEFENDER EUROPE

TREATMENTS

Features

- Non-toxic and safe to use in food environments.
- Non-corrosive.
- pH neutral.
- Can be cut and moulded to fit any space.

Benefits

- 12 months protection to stop slime, mould and odour causing bacteria growing and blocking condensate line.
- No specialised equipment needed.
- Reduces potential blockages and water damage.
- Improves indoor air quality.
- Reduces maintenance and cleaning procedures.

Condensate Pan Tablets

A unique enzyme-based pan tablet

The air conditioning system is an environment that can concentrate dirt, mould bacteria and pollution. The condensate pan is wet and full of bacteria, mould and dirt. This environment is perfect for the growth of slime and biofilm. This biofilm can potentially cause problems to your air conditioning and the surrounding environment.

Firstly, it is a source of contamination that can enter the bottom of the coil and slowly block the airflow causing loss of efficiency, damage to the coil and ultimately higher electricity use.

Secondly the contamination can easily block the drain of the pan and cause an overflow of the condensate into the surrounding floor and walls. This condensate water can cause thousands of dollars of damage and remain undetected for many months.

COILDEFENDER has developed a unique enzyme-based pan tablet, which protects the condensate pan from the contamination that will naturally occur. The product is a slow-release enzyme formulated to break down and stop the growth of bacteria and mould.

The tablet is non-toxic, non-corrosive and completely safe for the air conditioning system. The product comes in two sizes for both large and small air conditioning units

TREATMENTS

AC Filter Treatment

COIL DEFENDER Filter Treatment is a HOSPITAL GRADE DISINFECTANT that will kill COVID 19 in 5 minutes in dirty conditions. When applied to new or cleaned old filters the treatment will stop colonisation of the filter by pathogens. These pathogens will block the filter and shorten its life. The product uses safe non-toxic chemicals that bind permanently with the filter stands giving complete protection and peace of mind.

Features

- Safe to use on all filter types.
- Stops colonisation of the filter by bacteria, mould and fungus.
- Safe, non-toxic, antimicrobial.
- Odour-free
- Easy to use.

Benefits

- Easy to apply directly on filters.
- No specialised or heavy application equipment required.
- Improves indoor air quality.
- Reduces energy consumption.
- Multiple applications from restaurants to hotel rooms.

COIL TREATMENT

Coil Protect Treatment Concentrate

COIL DEFENDER Coil Treatment is the first antimicrobial treatment specially designed for application on the heat exchange surfaces and metal components of air conditioning systems. The simple application of a thin barrier stops colonization of the surface. By stopping the growth of mould and bacteria the air conditioning system will run more efficiently, needs less maintenance, and provide odour less air into the occupied space. It is available in a 5 litre concentrate.

Mixed 1 : 4 with Commercial Grade acetone, ethanol or isopropanol.

Features

- Reduces maintenance and cleaning of coil.
- Highly effective Silver Ion formulation.
- Non-toxic and environmentally-friendly to use on indoor coils.
- Safe to use in food environments.
- UV resistant.
- Dries quickly.

Benefits

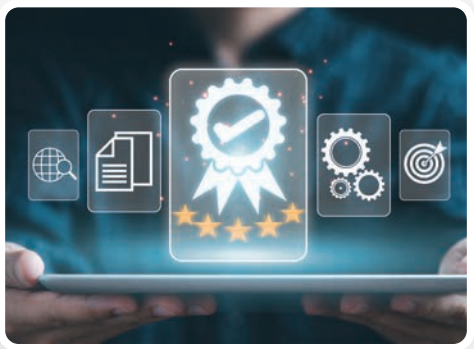
- Annual treatment to stop slime, mould and bacteria colonisation.
- Improves heat exchange efficiency by reducing blockages.
- Can be applied with an airless spray gun.
- Improves indoor air quality.
- Safe to transport and store.

Fresh and 100% Bacteria Free

12 Months Protection

OPPORTUNITIES DISTRIBUTION

TECHNICAL SUPPORT



CERTIFICATION

TRAINING

CUSTOMER SUPPORT

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