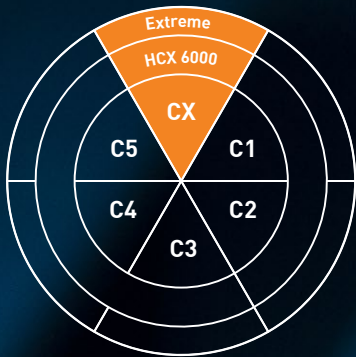


OHRA



Corrosion protection for racking systems



OHRA Corrosion protection for racking systems

As a leading racking manufacturer and as the specialist for outdoor racking systems, we know that the correct surface treatment is a deciding factor for the longevity and safety of our racking systems. In addition to our classic surface treatment options, we have introduced a new coating system - HCX 6000.

OHRA HCX 6000

Corrosion protection which fulfil the highest demands

HCX 6000 is a special coating for components which require a unique corrosion protection. This may include racks systems which are highly exposed to extreme environmental conditions such as high humidity, salinity or strong condensation. The high standards of the corrosion protection class CX of EN ISO 12944 and even the Norsok Standard M-501 are significantly exceeded by HCX 6000.





Defining the corrosivity categories

The EN ISO 12944 defines various environmental conditions and corrosion loads and divides these into 6 categories, from insignificant to very strong or extreme. In addition to the EN ISO 12944, which covers the corrosion protection of steel structures treated by coating systems, the Norsok M-501 is the benchmark for offshore coatings.

With the OHRA coating system we surpass the highest corrosion protection in the category CX according to the EN ISO 12944. This highest category, for example, requires a salt spray test of 2400 hours. The Norsok M-501 demands an alternating test of 4200 hours. The OHRA HCX 6000 system substantially exceeds these requirements. Even after 6000 hours of testing, no signs of fatigue of the coating was visible.

So how does our HCX 6000 coating process work?

Every step of the coating process is precisely matched to the next.

Starting with zinc phosphating, the components are then coated with an electrochemical cathodic dip coating (KTL) and then coated with up to two layers of powder coating (including several cleaning, washing and drying phases). Wet paint systems are not used.

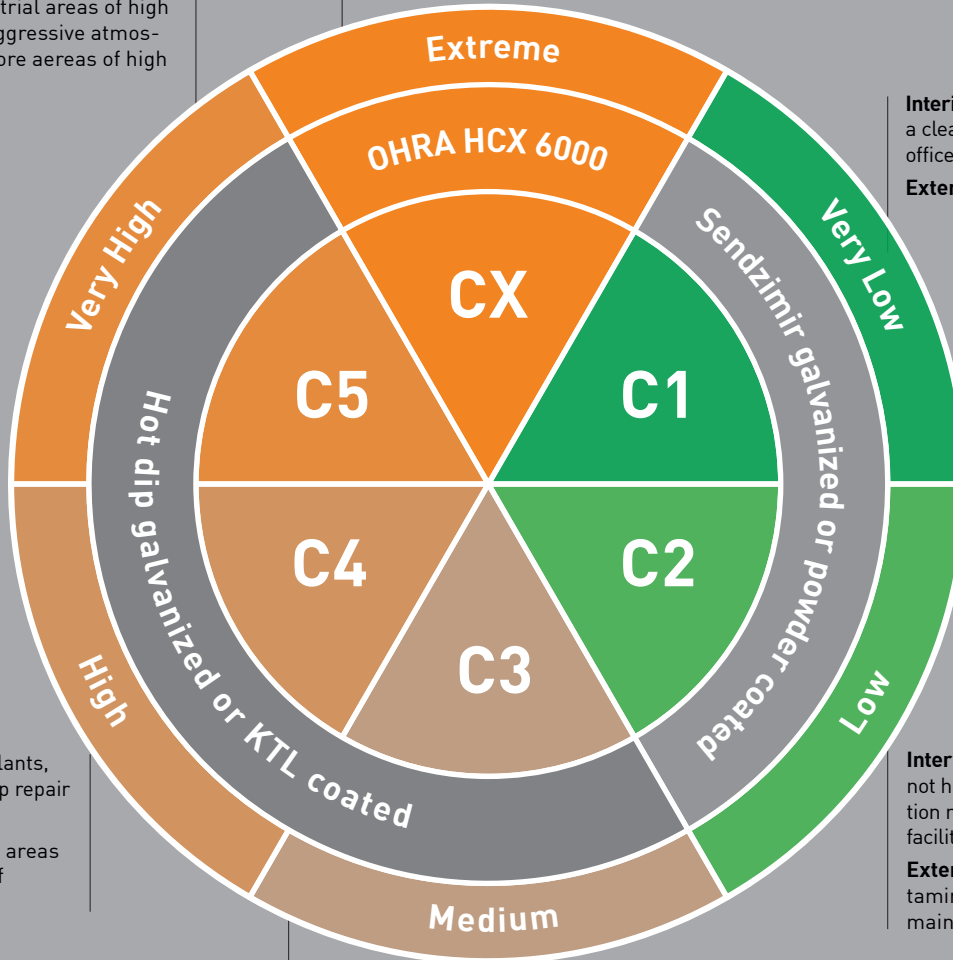
The entire production process is fully automated, and the individual operations are completely interlinked. This guarantees that the outstanding result may be repeated with same result at any given time.

Interior: Buildings and areas of almost constant condensation and high contamination.

Exterior: Industrial areas of high humidity and aggressive atmosphere and inshore areas of high salinity.

Interior: Buildings and areas of almost constant condensation and aggressive contamination

Exterior: Offshore areas of high salinity. Industrial areas of extremely high humidity and aggressive atmosphere. Subtropical and tropical areas.



Interior: Heated buildings with a clean atmosphere such as offices, shops, schools, hotels.

Exterior: N/A

Interior: Chemical plants, swimming pools, ship repair yards.

Exterior: Industrial areas and inshore areas of medium salinity.

Interior: Buildings which are not heated, where condensation may occur e.g. storage facilities, sports halls.

Exterior: Atmospheres contaminated to a small extent, mainly rural regions.

Interior: Production halls and facilities with humidity and certain air contamination e.g. foodstuff plants, laundries, breweries, dairies.

Exterior: Industrial and urban atmospheres with a low sulphur dioxide (IV) contamination level. inshore areas of low salinity.

OHRA 



OHRA corrosion protection - Our performance

Corrosion protection fully tailored to your needs - whether powder coated, hot-dip galvanized, KTL coated or coatings according to our HCX 6000 process.

Surface protection guarantees of up to 25 years.

Racking components of up to 12 m in length, a width of 2.3 m and a height of 0.7 m with a maximum weight of up to 2,000 kg can be fully coated – in a continuous, fully automatic process.

The advantages of the OHRA HCX 6000 system:

- No wet paint = lower coating thicknesses and very high scratch and impact resilience.
- A complete and uniform coating, even in cavities, corners and on edges.
- High resistance against acids, alkalines, oils and fuels.
- Overcoats suitable for food products are possible.
- Homogeneous, clean, smooth surfaces.
- Individual colours are available as per the entire RAL colour scheme.
- Low-pollution and environmentally friendly solvent-free coating process.
- No rust infiltration under the first layer due to the KTL pre-treatment.
- Suitable for the food and chemical industry, offshore applications, power plants, marinas/yacht harbours, shipbuilding and wherever corrosion protection is of utmost importance.



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