

Corrosion protection systems

- High-quality corrosion protection for substructure and surface of metal ceilings, that is especially applicable in corrosion-promoting atmospheres
- Quality tested according to DIN 18168 part 1 / EN 13964 table 8 / EN 10169-3 / DIN EN ISO 12944 part 6
- Substructure components are coated in black, the ceiling surface can be coated in various RAL-colours

Recommended areas of application for Meteo corrosion protection system C3 in accordance with DIN EN ISO 12944 part 2:

- For components in closed premises that are frequently exposed to high air humidity at common room temperatures:
 - In commercial kitchens
 - Bathrooms
 - Laundries
 - In moist rooms of indoor swimming facilities with low chloride concentration of Cl $<250\text{mg/l}$
- For outdoor components and components that are constantly exposed to exterior atmosphere:
 - In open halls
 - Lockable garages, porches, open parking garages
 - Urban and industrial atmosphere, moderate pollution by sulphur dioxide
 - Coastal areas with lowly salted atmosphere

Recommended areas of application for Meteo corrosion protection system C4 in accordance with DIN EN ISO 12944 part 2:

- For components that are constantly exposed to largely corrosion-promoting exterior atmosphere:
 - Industrial and coastal areas with moderately salted atmosphere
- For components in closed premises that are constantly exposed to largely corrosion-promoting atmosphere:
 - Chemical plants
 - Indoor swimming facilities with high chloride concentration



Indoor swimming pool as typical area of application for corrosion protection systems



METEO Vernier hanger lower section with safety split pin

If requirements regarding corrosion protection are not explicitly defined, protection class C3L for exterior ceilings and class C4L for ceilings in indoor swimming facilities (both classes according to DIN EN ISO 12944 part 6) are recommended.

To assure the entire protective character of the corrosion protection system, components e.g. vernier hangers, armature angles etc. may not be subsequently bent!

Furthermore, due to the high requirements that the ceiling system is exposed in a corrosion-promoting atmosphere, possibly occurring surface damages have to be immediately and professionally repaired to avoid corrosion creep.

For repair work on the substructure during installation and operation we recommend to use our Meteo anti-corrosion protection spray.