



CORROSION
PROTECTION

CORROSION PROTECTION

CORROSION costs a lot of money and a lot of effort in all kind of industry and daily life. Chemical inert and durable coatings help to reduce the impact on the base material. Fraunhofer ISCs ORMOCER®s are such finishings, which reduce the sensitivity towards aggressive media, salt solutions, acids. These coatings also improve the chemical stability against environmental impacts or cleaning agents.

WORKING PRINCIPLE
The ORMOCER®-coatings form thin (2-5 µm), layers to protect the base material of migrating substances like oxygen or chloride. These layers maintain functionality based on the dense network (not based on a sacrificial layer) and can be combined with abrasion resistance.

The key for a good anti-corrosion coating is a good adhesion on the substrate.

Due to the inorganic components, the adhesion to all types of metals is very good. Thermal and UV treatment are possible for curing.

TYPICAL APPLICATIONS:

- Protection of metals and alloys
- Metallic layers on glass
- Metallized plastic surfaces



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