



**Industrie Bruno Stoppani** produces liquid paints and specialties for different industrial coating markets since late 1883. Our company offers numerous products such as primers, intermediates, finishes, coating systems certified and tested by official institutes for the different requirements of each operating environment.

**Industry:** petrochemical / urban and railways transport / chemical / energy / alimentary / Piping (on/off-shore) / Heavy Carpentry / Public works / Water systems / Agriculture / **Yachting:** Pleasure / Work / Fishing / Maintenance / **Building:** industrial



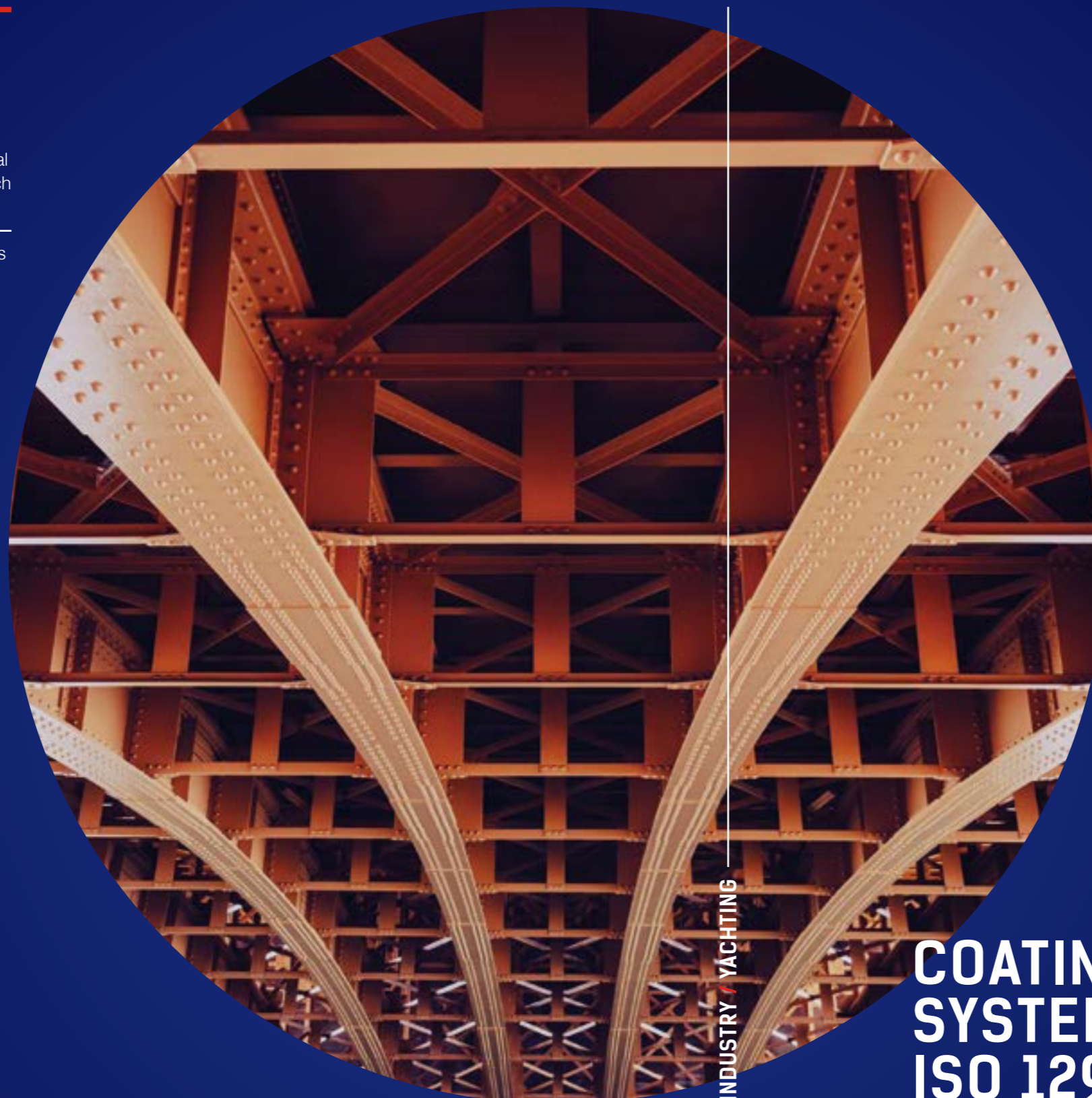
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Organization with certified quality management system which complies with UNI EN ISO 9001:2015 standard



INDUSTRY / YACHTING

**COATING  
SYSTEMS CERTIFIED  
ISO 12944**

PROTECTIVE COATING SYSTEM  
AND ENVIRONMENT CORROSION

**IBS**  
INDUSTRIE  
BRUNO STOPPANI  
Paints and coatings since 1883

# ISO 12944: AN INTERNATIONAL STANDARD TO PROTECT FROM CORROSION PAINTING WITH QUALITY



WE CAN RECOMMEND OUR PRODUCTS FOR THE INVOLVED PROTECTIVE PAINT SYSTEM

The ISO 12944 standard is more and more internationally accepted as standard reference for highly performing and durable paint systems for corrosion protection of steel structures operating in different aggressive environments for both buried and immersed in water or exposed to air. The standard includes different types of painting systems, accurate specifications for the work, both as regards the initial surface preparation and the execution and control of the finished coating.



## TO CHOOSE THE RIGHT PROTECTIVE PAINT SYSTEM IT IS FUNDAMENTAL TO KNOW:

THE ATMOSPHERIC CORROSIVITY CATEGORY

THE ENVIRONMENT CATEGORY IN WATER AND SOIL

THE TYPE OF STRUCTURE

MAINTENANCE OR INITIAL PROTECTION PAINT SYSTEM?

TYPE OF PAINT

REQUIRED DURABILITY

ENVIRONMENTAL CONDITIONS

PLACE OF APPLICATION

SURFACE PREPARATION

FUTURE MAINTENANCE

METHODS OF APPLICATION

NUMBER AND TYPES OF COATS

ENVIRONMENTAL AND INFRASTRUCTURAL PROTECTION REQUIREMENTS

HEALTH AND SAFETY REQUIREMENTS

### ATMOSPHERIC CORROSIVITY CATEGORIES

Category	Examples of exterior environments	Examples of interior environments
<b>C1</b> Very low		Heated buildings with clean atmospheres e.g. offices, shops, schools, hotels.
<b>C2</b> Low	Atmospheres with low level of pollution. Mostly rural areas.	Unheated buildings where condensation may occur, e.g. depots, sports halls.
<b>C3</b> Medium	Urban and industrial atmospheres, moderate sulphur dioxide pollution. Coastal areas with low salinity.	Production rooms with high humidity and some air pollution e.g. food-processing plants, laundries, breweries, dairies.
<b>C4</b> High	Industrial areas and coastal areas with moderate salinity.	Chemical plants, swimming pools, coastal ship- and boatyards.
<b>C5-I</b> Very high	Industrial areas with high humidity and aggressive atmosphere.	Buildings or areas with almost permanent condensation and with high pollution.
<b>C5-M</b> Very high	Coastal and offshore areas with high salinity.	Buildings or areas with almost permanent condensation and with high pollution.

### CATEGORIES OF ENVIRONMENT FOR WATER AND SOIL

Category	Environment
<b>IM1</b>	Fresh water River installations, hydro-electric power plants
<b>IM2</b>	Sea or brackish water Harbour areas with structures like sluice gates, locks, jetties, offshore structure
<b>IM3</b>	Soil Buried tanks, steel piles, steel pipes

### TYPE OF STRUCTURE

Type
<b>CARBON STEEL</b> Of not less than 3 mm thickness
<b>LOW ALLOY STEEL</b> Of not less than 3 mm thickness
The standard ISO 12944 does not include concrete structures with steel reinforcement.

### DURABILITY RANGE

Category
<b>LOW</b> 2 to 5 years
<b>MEDIUM</b> 5 to 15 years
<b>HIGH</b> more than 15 years
The durability range is not a "guarantee time". Durability is a technical consideration about possible resistance time to the environment of a paint system and that can help to set up a maintenance programme.