



FROSIO – GuiD - CP

Certification



HTS COATINGS
GLOBAL TRAINING BODY



LIST OF CONTENTS

What is FROSIO?	3
Certified corrosion protection for maximum quality	4
Training and audit body HTS COATINGS	5
What does the FROSIO-Guid-CP regulate?	5
In which areas is the FROSIO-Guid-CP applied?	6
Tailor-made for every requirement - certification in 3 stages	9
Which requirements must your company meet?	10
How does the certification process according to FROSIO-Guid-CP work?	11
Your advantages at a glance	11
You can rely on this with FROSIO certified companies	12



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What is FROSIO?

Corrosion protection measures and surface treatments are only effective if they are carried out by appropriately trained personnel in qualified processes.

In order to ensure the quality requirements for corrosion protection work, the organisation FROSIO was founded in Norway in 1986. FROSIO is the Council for Training and Certification of Surface Treatment Inspectors (Faglig Råd for Opplæring og Sertifisering av Inspektører innen Overflatebehandling). FROSIO has gained a high international reputation through its certification work of inspectors: A FROSIO certificate has long since become a prerequisite for many inspection activities in the field of corrosion protection.

The basic idea of the member organisation is to provide skilled workers with an understanding of holistic corrosion protection in order to ensure the quality of corrosion protection measures of all kinds.

Therefore FROSIO promotes the quality of companies in terms of personnel and processes by testing and certifying them according to the FROSIO-Guid-CP guideline.

Main tasks of the organisation:

- Definition of teaching content
- Testing and certification of personnel
- Approval of training bodies and audit bodies
- Establishment of guidelines for companies
- Certification of companies

Certified corrosion protection for maximum quality

Metallic materials such as aluminium or steel are characterised by a multitude of valuable properties: They are electrically conductive, stable, castable and formable. Numerous products in a wide range of industrial sectors, from mechanical engineering to automotive engineering to offshore, would not be possible without these metals.

The resistance of this sought-after material to the natural process of corrosion depends, in addition to the choice of the metal used, on the quality of processing and the protective measures taken.

Corrosion affects the structure of metals: if they corrode, they become unstable. Since corrosion can quickly damage structures, effective protection or rapid repair of already damaged structures is essential.

Proven corrosion protection measures for building components and structures include coatings and coating systems, galvanising (hot-dip galvanising) and thermal spraying.

Anyone who wants to make use of such measures, whether for a planned new building or the renovation of an older product, must be able to rely on the fact that the corrosion protection is carried out in the best possible way and that the quality of the work and the end product is assured.

Such certainty is offered to you, as the client and manufacturer, by certification of your supplier: it is a regulated process consisting of investigative activities (e.g. tests, inspections or audits), an evaluation and a certification decision on the fulfilment of the requirements. If your supplier is certified, this serves as neutral proof of the highest quality and thus creates a valuable basis of trust for the cooperation with your service providers in corrosion protection.

Training and audit body HTS COATINGS

An international network of audit bodies and further education institutions work together in accordance with the FROSIO guidelines - this includes the HTS COATINGS, which has been recognised by FROSIO as a training body since 2016 and as an audit body since 2022. It is the only audit body approved by FROSIO Globally and is responsible both for auditing companies in accordance with the FROSIO-Guid-CP and for the further training of personnel to become FROSIO coating inspectors.

What does the FROSIO-Guid-CP regulate?

FROSIO has developed the FROSIO-Guid-CP (CP = Corrosion Protection) as a guideline for corrosion protection companies. It serves as a guideline for quality management in the companies: Basic requirements for corrosion protection processes and corrosion protection personnel are laid down here in a binding manner.

In addition, the guideline specifies how responsibilities are divided, i.e. which body in the company is responsible for monitoring and possible corrective measures. The general regulations of **ISO 9001** on quality management are concretised and supplemented by the FROSIO-Guid-CP.

Anyone who wants to make use of corrosion protection work, whether for a planned new building or the renovation of an older product, must be able to rely on the fact that the measures are carried out in the best possible way and that the quality of the work and the end product is assured.

Certification offers you such certainty: it is a regulated process consisting of investigative activities (e.g. tests, inspections or audits), an assessment and a certification decision on whether the requirements are met. The acquired certificate serves as a neutral proof and thus creates a valuable basis of trust for the cooperation with a certified company in the field of corrosion protection.

Contents of the FROSIO-Guid-CP at a glance:

Establishment of essential requirements

Definition of responsibilities

Definition of the processes

Definition of monitoring and corrective measures

If the client is looking for the highest quality and durability for his project, he can adjust his requirements to the high level of FROSIO already at the tendering stage. So if you work together with FROSIO certified companies you will achieve the best results.

In which areas is the FROSIO-Guid-CP applied?

With FROSIO-Guid-CP, companies, planners and designers have a valuable guideline in the field of corrosion protection which guides them in the planning, implementation and monitoring of protection and repair measures.

Which quality requirements should be set for the respective CP work? How can the quality of the corrosion protection processes best be ensured by optimal monitoring? These questions are clarified in detail in the guideline and thus significantly supplement the quality assurance system according to ISO 9001.

Corrosion protection work by thermal spraying, duplex systems, hot-dip galvanising and coating with organic dyes are covered by FROSIO Guid-CP. Work on new buildings is taken into account as well as renovation and repair work in the field of corrosion



Brilliant safety in all areas

Application areas	Process Engineering	Industries
<ul style="list-style-type: none">Corrosion protection work on: -	Organic coatings	<ul style="list-style-type: none">Bridge construction
<ul style="list-style-type: none">new buildings	Thermal spraying	<ul style="list-style-type: none">On- and Offshore
<ul style="list-style-type: none">components	Hot dip galvanizing	<ul style="list-style-type: none">Mechanical Engineering
<ul style="list-style-type: none">Restoration and repair work	Duplex Coating Systems	<ul style="list-style-type: none">Steel construction
<ul style="list-style-type: none">Inspection and testing activities		<ul style="list-style-type: none">Shipbuilding

The all-round quality package for your project

You have found a partner company for your project in corrosion protection that is certified by FROSIO?

Then you can be sure that you are working with excellent specialists and that the necessary measures are carried out professionally. But what exactly are the services of the company carrying out the work in the field of corrosion protection covered by this certification and thus confirmed as tested?

Contract review:

A company certified by FROSIO has the necessary knowledge of contract review and can expertly assess which services are feasible.

Technical inspection:

the construction plan is examined in detail with regard to the required corrosion protection measures: Where do the corrosion protection works take place, what are the requirements and can the company meet them according to the personnel and production facilities?





Production plan:

For the manufacturing plant, a plan is prepared which details all measures to be performed and serves as a working guideline (timing, personnel requirements, material).

Corrosion protection work:

Qualified personnel (operator, process manager) is available for the work to be carried out and its quality control. The sequence of the respective corrosion protection processes is clearly specified and is observed.

Equipment & workshops:

All necessary equipment and premises for the measures to be performed are available in the certified company.

Monitoring & testing:

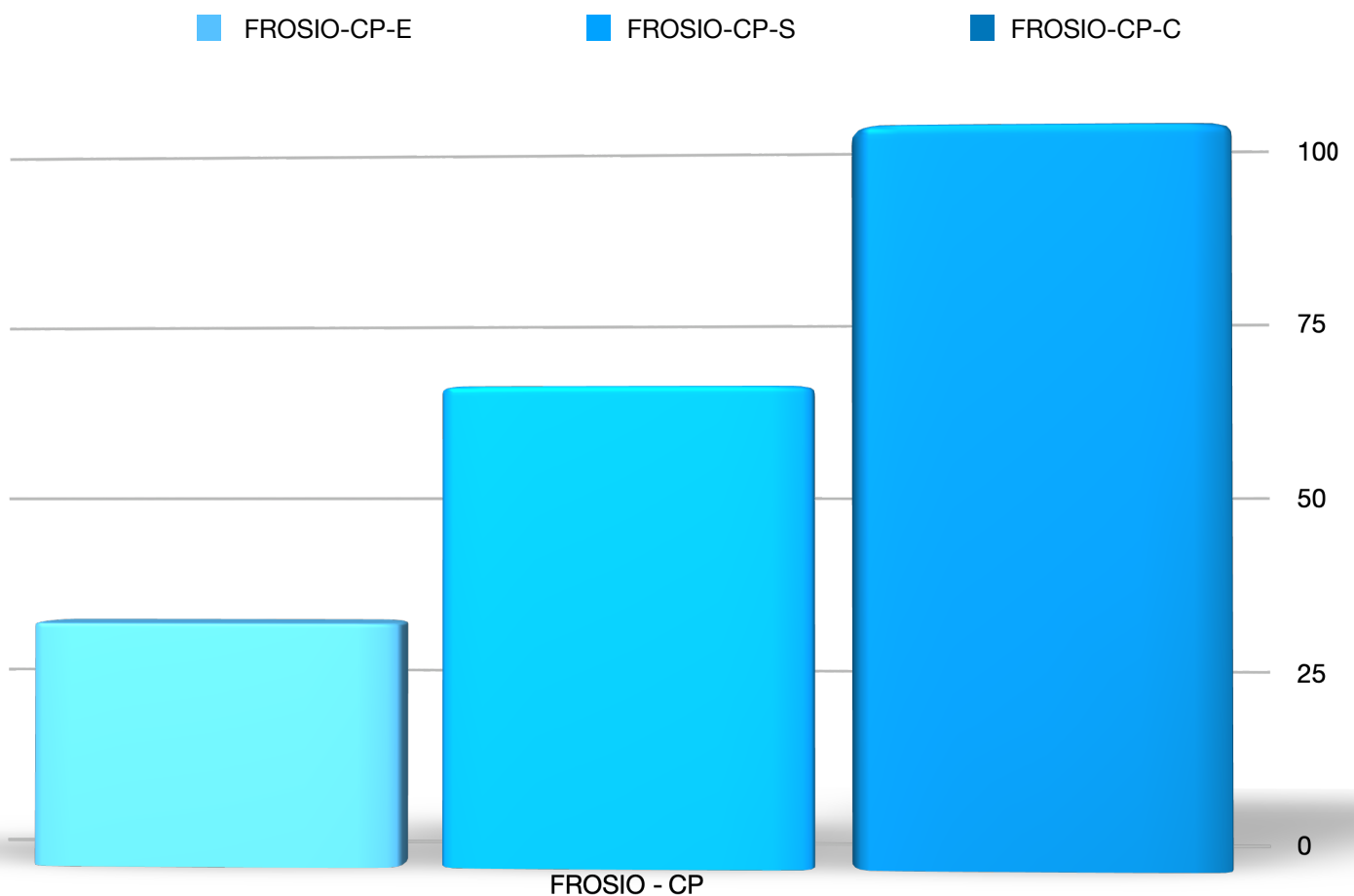
All work is continuously monitored and checked for quality by appropriately trained personnel.

Materials used:

Procurement, delivery, storage and handling of the materials used are documented in detail. They are carefully marked and can be traced at any time.

Tailor-made for every requirement – Certification in 3 stages

The certification of the companies carrying out corrosion protection is carried out in one of the three possible quality levels at your own choice. These are subdivided according to the scope and complexity of the various CP processes carried out in a company, the duration of protection and the expected service life of a coating until the first partial renewal is necessary.



Which requirements must your company meet?

FROSIO-CP-E:

Elementary quality requirements

- Protection period under 7 years
- Individual CP processes are carried out in your company (e.g. thermal spraying, coating or hot-dip galvanising)

FROSIO-CP-S:

Standard quality requirements

- Protection period up to 15 years
- Different CP processes are executed in your company (combination of at least two different CP processes)

FROSIO-CP-C:

Comprehensive quality requirements

- Protection period over 25 years
- Different CP processes or a complete production are carried out in your company (three or more different CP processes are combined)



Identifying certified companies

Companies certified with the FROSIO-GuiD-CP meet the highest quality requirements for Execution of corrosion protection work: You have qualified personnel and have demonstrated suitable processes and equipment.

How can you, as a customer of corrosion protection work, find such companies quickly and easily?

FROSIO has created a database in cooperation with the auditing agency HTS COATINGS, which offers

Your advantages at a glance

Metals are indispensable as a material in many branches of industry and are used for a wide range of projects. As the durability of the processed metal is decisive for the success of the project, the expert protection of corrosion processes should be a priority for you.

Through the internationally renowned specialist council FROSIO, every client receives the assurance that

clients of corrosion protection work a search and selection option with which certified companies can be found quickly and easily.

Thus you can start with full power into a successful project with a corrosion protection you can rely on.

FROSIO Database

www.frosio.no

You can rely on this with FROSIO certified companies:

Quality assurance

The normative and contractually agreed standards for corrosion protection work are observed and ensured.

Qualified personnel

The company works with highly qualified personnel, both in the execution and in the monitoring of the corrosion protection measures.

Process optimisation

Your project is realised in clearly regulated processes according to the highest requirements of corrosion protection.

International recognition

The work is carried out not only according to national but also international standards and requirements.



Let our experts from the FROSIO approved audit centre HTS COATINGS advise you.

HTS COATINGS

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