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Institut für
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- » Safe corrosion protection is an important part within the in-house production control of the metalworking company.
- » In many cases, the coating is not performed by the metalworking company but subcontracts it to specialists, such as contract coaters or zinc platers.
- » In line with the certification, however, the metalworking company must prove that the company completely meets the requirements of EN 1090.
- » On the part of manufacturers/metalworking company's quality requirements are made towards coating companies. The metalworking company is generally bound to furnish proof of corrosion protection conforming to standards.
- » In-house production control of the coating company, its supervision of the coating process and the used material is indispensable.

We will be glad to inform you.
Please call us.



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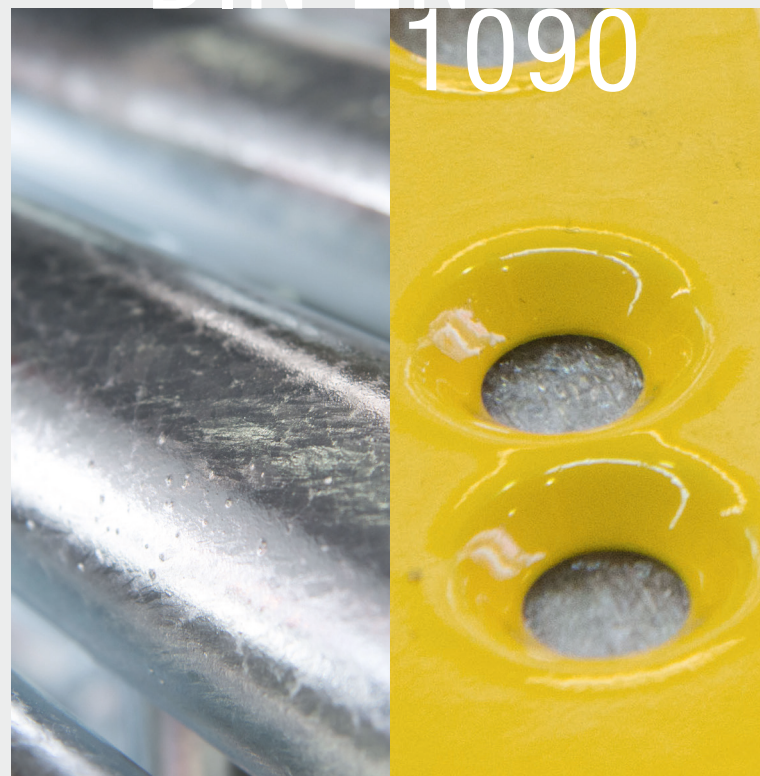
IFO
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Accredited and notified Certification Body,
Testing Laboratories, Inspection Bodies and Certification
Bodies for corrosion-protected construction products

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QUALITY CONTROL FOR COATERS

Requirements on Corrosion Protection and Coating

DIN EN 1090



CONSEQUENCES OF DIN EN 1090 FOR THE COATER

- » CE marking is the prerequisite for the first introduction of supporting construction products made of steel and aluminium.
- » With the CE mark the manufacturer/metalworking company confirms that the company assumes the liability for compliance of the construction product with the characteristics defined in the Declaration of Performance.
- » The technical documentation of the manufacturer/metalworking company including among others the results of the in-house control is the basis for the Declaration of Performance.



REQUIREMENTS ON THE COATER

The serious of standards DIN EN 1090 also includes requirements on corrosion protection, execution, and supervision of the coating and the used material.

The coater must implement an in-house production control which meets all requirements of DIN EN 1090 and must furnish proof to the ordering party that the applied corrosion protection system is suitable to meet the specified requirements on corrosion category and protection duration.

Beside mastering production processes and control of the end products in-house production control consists of following requirements:

- Determination of responsibilities
- Sufficient number of qualified personnel
- Maintenance of machinery and equipment
- Calibration of measuring equipment
- Storage of coating material
- Documentation and traceability

The requirements regulated in DIN EN 1090 include exact operating procedures for coating which must be available as well as documentation of the complete process including quality testing.

These include beside the qualification of the personnel, the determination of responsibilities as well requirements on pre-treatment and application, drying and storage of components.

REQUIREMENTS ON CORROSION PROTECTION

DIN EN 1090 also makes requirements on corrosion protection.

For the material steel this concerns

- hot-dip galvanising
- thermal hot-dip galvanising (spray galvanising)
- coating with powder and liquid coatings

As an alternative we can offer you as notified body in line with DIN EN 1090 and testing and inspection body for corrosion-protected construction products a neutral, independent supervision of your in-house production control. In line with an optional pre-audit you can go over the inspection list together with one of our coating inspectors making it possible to settle deficits promptly. After the successful inspection of your in-house production control you will receive the declaration of conformity standing for “verified quality” in line with an effective quality assurance system for your customers.

For the material aluminium this concerns

- coating with powder and liquid coatings
- anodising

It has been specified that corrosion protection of aluminium must be proven by quality marks which are recognized throughout Europe. There are different quality marks available on the market.



SUPERVISION PROCESSES

Consultation	Pre-Audit	Inspections of the Company
During the consultation the basic conditions for the requirements on coating companies will be determined.	In line with an optional pre-audit it will be determined, if the requirements on the in-house production control have been implemented.	During the initial inspection the inspector verifies, if the coating company has implemented the requirements on the in-house production control. After the successful inspection you will receive the EN 1090 declaration of conformity for coating or galvanising companies.