

SBC

MAINTENANCE GUIDE

(CATEPOX® Heat- and Wear-Resistant Coating)

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1. PURPOSE

This Maintenance Guide defines the recommendations for the routine inspection, cleaning, maintenance and, where necessary, repair of surfaces protected with **CATEPOX® Heat- and Wear-Resistant Coating**.

The purpose of this document is to ensure the long-term technical performance, corrosion protection and aesthetic appearance of the coating system throughout its service life.

2. SCOPE

This guide applies to all steel, metal and other suitably prepared substrates coated with the CATEPOX® coating system.

Typical applications include:

- Industrial facilities;
 - Steel structures;
 - Mechanical equipment;
 - Pipelines;
 - Storage tanks;
 - Other corrosion protection applications.
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3. GENERAL MAINTENANCE PRINCIPLES

Regular inspection and maintenance of the coating system contributes to:

- Extended service life;
- Prevention of corrosion;
- Early identification of defects;
- Reduction of overall maintenance costs;
- Preservation of protective performance.

The condition of coated surfaces shall be periodically assessed according to the operating environment and service conditions.

4. VISUAL INSPECTION

During inspections, attention shall be given to:

- Cracking;
- Blistering;
- Delamination;
- Abrasion or excessive wear;
- Mechanical damage;
- Signs of corrosion;
- Discolouration;
- Chemical attack.

All observed defects shall be documented.

5. CLEANING

Recommended cleaning methods include:

- Clean water;
- Mild pH-neutral detergents;
- Soft brushes;
- Microfibre cloths;
- Low-pressure washing.

The following shall not be used unless approved for the coating system:

- Strong corrosive chemicals;
 - Wire brushes;
 - Abrasive cleaning agents;
 - Solvents that may damage the cured coating.
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6. PERIODIC INSPECTION

Recommended inspection intervals:

Environment	Recommended Frequency
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Indoor	Annually
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Outdoor	Every 6–12 months
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Highly corrosive environments	Every 3–6 months
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Chemical plants	According to risk assessment
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Additional inspections shall be carried out following exceptional events such as impact, chemical spills, fire exposure or other abnormal operating conditions.

7. REPAIR

Where coating damage is identified:

- Clean the affected area;
- Remove loose or damaged coating;
- Re-prepare the substrate where necessary;
- Reapply the coating in accordance with the Application Guide and the Repair Procedure.

Repairs shall restore the protective performance of the original coating system.

8. MAINTENANCE RECORDS

The following information should be recorded:

- Inspection date;
- Name of the inspector;
- Identification of the inspected area;
- Observed defects;
- Maintenance or repair work performed;
- Materials used;
- Photographic documentation, where applicable.

Maintenance records shall be retained in accordance with the applicable quality management procedures.

9. SERVICE LIFE OPTIMISATION

The expected service life of the coating system may be significantly extended through:

- Regular cleaning;

- Prevention of mechanical damage;
 - Prompt repair of defects;
 - Appropriate operating conditions;
 - Minimisation of unnecessary chemical exposure.
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10. HEALTH AND SAFETY

During maintenance activities:

- Appropriate personal protective equipment (PPE) shall be worn;
 - The Safety Data Sheet (SDS) shall be followed;
 - Adequate ventilation shall be provided;
 - Waste materials shall be handled and disposed of in accordance with applicable regulations.
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11. RELATED DOCUMENTS

- Technical Data Sheet (TDS)
 - Safety Data Sheet (SDS)
 - Application Guide
 - Repair Procedure
 - Quality Control Plan
 - System Specification
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12. DOCUMENT CONTROL

This Maintenance Guide forms part of the SBC document management system.

The document shall be reviewed whenever:

- Product technical characteristics are modified;
- A new application technology is introduced;
- Applicable legislation or standards are revised;
- Or at least once every three years as part of the regular document review process.