

SBC

QUALITY CONTROL PLAN

CATEPOX® HEAT- AND WEAR-RESISTANT COATING

Document Information

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1. Purpose

This Quality Control Plan defines the inspection, testing and quality assurance activities required during the production, packaging, storage and release of the CATEPOX® Heat- and Wear-Resistant Coating to ensure that every production batch consistently complies with the specified technical requirements and the manufacturer's quality management system.

2. Scope

This plan applies to all stages of production, including:

- Incoming raw material inspection;
 - In-process quality control;
 - Finished product testing;
 - Packaging inspection;
 - Product identification and labelling;
 - Storage conditions;
 - Final inspection prior to shipment.
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3. Responsibilities

Activity	Responsible Function
Incoming material inspection	Quality Inspector
Production process control	Production Manager
Laboratory testing	Quality Control Laboratory
Finished product approval	Quality Manager
Packaging inspection	Warehouse Supervisor
Documentation review	Quality Management

4. Incoming Raw Material Inspection

Each incoming raw material shall be verified for:

- Supplier documentation;
- Certificate of conformity, where applicable;
- Batch identification;
- Packaging integrity;
- Shelf life;
- Visual condition;
- Compliance with the approved raw material specification.

Materials that do not comply with the acceptance criteria shall not be released for production.

5. In-Process Quality Control

During production, the following parameters shall be monitored as applicable:

- Raw material identification;
- Mixing ratio;
- Mixing homogeneity;
- Viscosity;
- Processing characteristics;
- Production parameters;
- Batch documentation.

Any deviation from the specified process parameters shall be recorded and evaluated before production continues.

6. Finished Product Testing

Finished products shall be tested according to the manufacturer's sampling plan or production control programme.

Test	Reference Standard
Adhesion	EN ISO 2409
Flexibility (Erichsen)	EN ISO 1520
Impact resistance	ISO 6272
Salt spray resistance	EN ISO 9227
Heat resistance	Internal test method
Visual appearance	Visual inspection
Mixability	Internal inspection
Drying and curing	Technical Data Sheet requirements

Note: The frequency of testing shall be established by the manufacturer's Factory Production Control (FPC) system or internal quality procedures.

7. Control of Non-Conforming Product

Products failing to comply with the specified requirements shall:

- Be clearly identified;
 - Be segregated from conforming products;
 - Be evaluated to determine the cause of non-conformity;
 - Be subject to rework, re-testing or disposal, as appropriate;
 - Be documented in accordance with the quality management system.
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8. Traceability

Each production batch shall be traceable through documented records including:

- Batch number;
- Production date;
- Raw material batches;
- Production personnel;

- Laboratory test results;
- Final approval records.

Traceability records shall be maintained in accordance with the manufacturer's document retention procedures.

9. Quality Records

The following records shall be retained:

- Production records;
 - Batch manufacturing reports;
 - Laboratory test reports;
 - Raw material certificates;
 - Inspection records;
 - Non-conformance reports;
 - Corrective action records;
 - Customer complaint records, where applicable.
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10. Corrective and Preventive Actions

Whenever non-conformities are identified, the manufacturer shall:

- Perform a root cause analysis;
 - Implement corrective actions;
 - Implement preventive actions where appropriate;
 - Verify the effectiveness of the implemented actions;
 - Record all actions taken.
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11. Review and Continuous Improvement

This Quality Control Plan shall be reviewed periodically and at least once per year, or whenever significant changes occur in:

- Product formulation;
- Manufacturing process;
- Production equipment;
- Applicable standards;
- Regulatory requirements;

- Customer requirements.
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12. Related Documents

- Technical Data Sheet (TDS)
 - Product Description
 - Application Guide
 - System Specification
 - Safety Data Sheet – Component A
 - Safety Data Sheet – Component B
 - Factory Production Control (FPC) Manual
 - Laboratory Test Reports
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13. Disclaimer

This Quality Control Plan establishes the minimum quality assurance requirements for the manufacture and release of the CATEPOX® coating system. Additional inspections and testing may be performed where required by project specifications, contractual obligations, regulatory requirements or customer-specific quality agreements. The manufacturer remains responsible for maintaining an effective quality management system and ensuring continuous conformity of the product.