

metob

Industrielle Beschichtungen



**INNOVATION
IN EVERY
SURFACE**

+ KEY FIGURES



METOB IS A LEADING PROVIDER OF COATINGS FOR INDUSTRIAL COMPONENTS.

- + Metob headquarters in Michelau, Upper Franconia; second location in Hildburghausen, Southern Thuringia
- + Employees: approximately 245
- + Coated area per year: > 7,000,000 m², equivalent to 1,000 standard soccer fields, each measuring 7,140 m²



+ COMPANY DEVELOPMENT



- 1979** Founding of Metob Beschichtungen GmbH
- 1982-2003** Continuous growth at the Michelau site
- 2004** New location in Hildburghausen
- 2017** Withdrawal from the building components coating business, refocusing of the Metob Group on industrial coating
- 2017-2018** Renovation of two production lines at the Michelau site, increasing capacity for the coating of automotive parts
- 2018-2020** Investments in logistics space at the Michelau and Hildburghausen sites
- 2019** Outsourcing of liquid paint coating; focusing on powder coating, cathaphoretic electrocoating and degrease and etch passivation
- 2021** Metob sources 100% of its electricity from renewable energy plants
- 2023** Commissioning of an 8-turbine wire-belt blasting system at the Hildburghausen plant

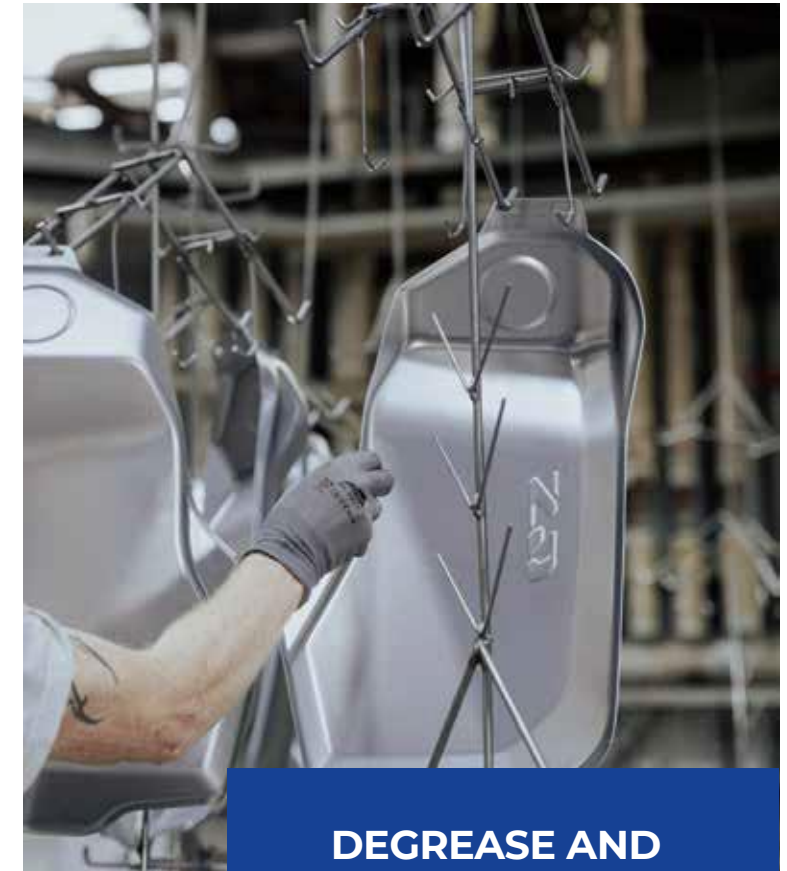
+ APPLICATIONS



E-COATING



POWDER-COATING



**DEGREASE AND
ETCH PASSIVATION**



SPECIAL FEATURE:

Excellent corrosion protection. Can be top-coated with powder coating or wet paint.



PRETREATMENT:

Degreasing, rinsing, activation and zinc phosphating in an 11-zone spray system.



PART DIMENSIONS:

Maximum component dimension:
3,000 x 1,400 x 1,600 mm.



COATING:

Cathodic dip coating, thickness 15 – 50 μm .



CURING:

Melting and cross-linking of the coating at approx. 200 °C



+ IMPRESSIONS | E-COATING



Hanging of components



Loading of customer sepcific racks



Hanging of components and masking
of areas to be left unpainted



Unloading and visual inspection

SITE HILDBURG- HAUSEN

+ IMPRESSIONS | BLASTING MACHINE



- + Processing window 800 x 400 mm
- + Integrated into our production processes
- + Blasting complements our wet-chemical pretreatment processes and enables us to expand the range of components that can be coated
- + In-house blasting reduces lead times while increasing capacity
- + The wire-belt conveyor system enables gentle yet efficient processing of a wide variety of component geometries and sizes with high process reliability
- + The eight high-performance centrifugal turbines ensure uniform and complete coverage of the abrasive, enabling the achievement of defined and reproducible surface finishes even on complex components

SITE HILDBURG- HAUSEN

+ IMPRESSIONS | E-COATING OF ALUMINIUM COMPONENTS



E-coating line for aluminium components
(max. 7,000 x 2,400 x 500 mm)



PRETREATMENT: Degreasing and
etch passivation using Alodine
2040R2.



Coating bassin



Unloading and inspection of the
components

SITE MICHELAU

+ TECHNICAL DETAILS | POWDER COATING



PRETREATMENT:

Degreasing, rinsing, phosphating, drying



COATING:

Electrostatic powder application. Curing of the powder coating at 180-200 °C.



SPECIAL FEATURE:

Impact-resistant, scratch-resistant surface for maximum mechanical protection.



PART DIMENSIONS (SITE MICHELAU):

Maximum component dimension:
1,600 x 2,800 x 800 mm.

+ IMPRESSIONS | POWDER COATING



SITE HILDBURGHAUSEN

Maximum component dimension
2,000 x 1,600 x 1,000 mm.



SITE HILDBURGHAUSEN

Modern powder center



SITE HILDBURGHAUSEN

Components after powder application
and before curing



SITE HILDBURGHAUSEN

Unloading and visual inspection

+ TECHNICAL DETAILS | DEGREASE AND ETCH PASSIVATION



PART DIMENSIONS:

Maximum component dimensions: 1,800 x 2,200 x 500 mm.



SPECIAL FEATURE:

Surfaces can be easily painted, welded or bonded.

+ PRODUCTION FACILITIES | MICELAU (UPPER FRANCONIA) AND HILDBURGHAUSEN (SOUTHERN THURINGIA)

YOUR BENEFITS:

- + Centrally located in Germany, with excellent access to the A73 highway
- + High flexibility in terms of batch sizes and annual volumes
- + Both locations have their own testing facilities
- + In-house project and new part management
- + Delivery to OEM is possible
- + Custom design of delivery notes and labels



KEY INFORMATION: MICHELAU

- + 110 employees
- + Total area: 18,000 m², of which production: 10,000 m²
- + E-coating and powder coating of steel and aluminium components, washing / etching / preservation of aluminium materials



KEY INFORMATION: HILDBURGHAUSEN

- + 135 employees
- + Total area: 30,000 m², of which production: 10,000 m²
- + E-coating and powder coating of steel and aluminium components



QUALITY AND RESPONSIBILITY.

Our central quality management system ensures that customer requirements are met and that our high quality standards are continuously improved. Occupational safety and health protection are at the forefront of our operations. Metob is certified according to IATF 16949:2016, ISO 14001:2015, ISO 45001:2018, ISO 50001:2018, and TISAX®.



MEASURES TO REDUCE CO²-EMISSIONS:

- + Creation of an energy team, improvement of energy performance / implementation of energy saving measures, procurement of environmentally friendly materials
- + Participation in the energy efficiency network „Franconia connects II“, with the goal of identifying savings potential in operational practice and expanding energy expertise
- + 2016 Commissioning of a combined heat and power plant at the Michelau site
- + 2020 New photovoltaic system at the Michelau site
- + 2021 Electricity sourced from renewable energy plants, resulting in CO²-free electricity supply
- + 2025 Commissioning of an additional photovoltaic system at the Michelau site



WE TAKE RESPONSIBILITY.

- + Sustainability is firmly embedded in our corporate culture
- + A holistic approach that prioritizes responsibility toward the environment and people
- + In addition to discussions on climate and resource policy, there are also issues of ethics and social responsibility
- + Certification acc. to ISO 14001:2015 (Environmental MGMT. System),
- + Certification acc. to ISO 50001:2018 (Energy MGMT. System),
- + Certification acc. to ISO 45001:2018 (Occupational safety and health)
- + Preparation of a sustainability report, for the first time for 2021

THANK YOU VERY MUCH FOR YOUR ATTENTION!

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WE LOOK FORWARD TO SPEAK WITH YOU.

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