

HIGH-QUALITY
WEAR PROTECTION FOR
COMPONENTS IN **BIOMASS AND
WASTE-TO-HEATING PLANTS**



H I G H L Y W E A R - R E S I S T A N T S P E C I A L I S E D C O A T I N G S



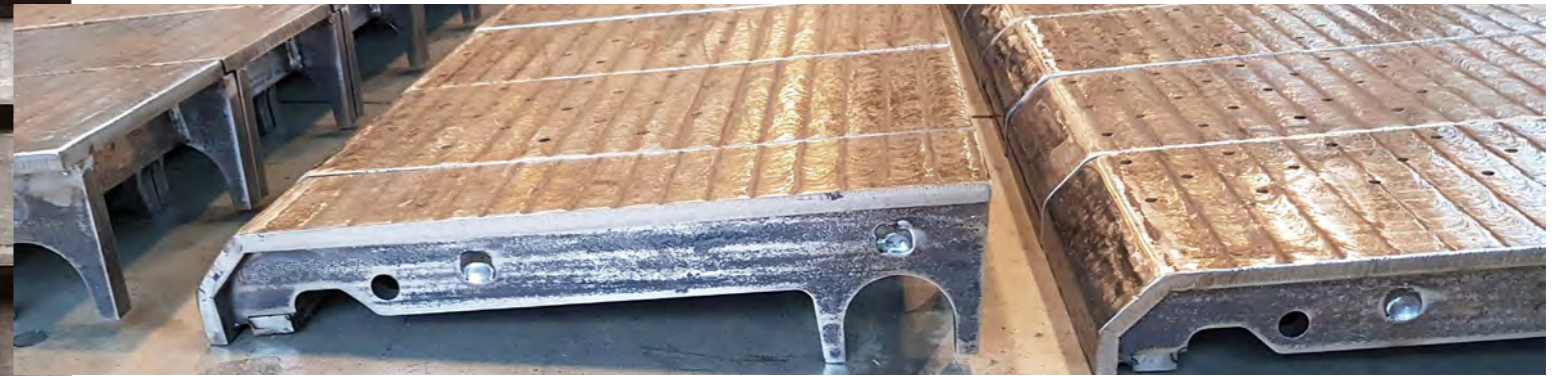
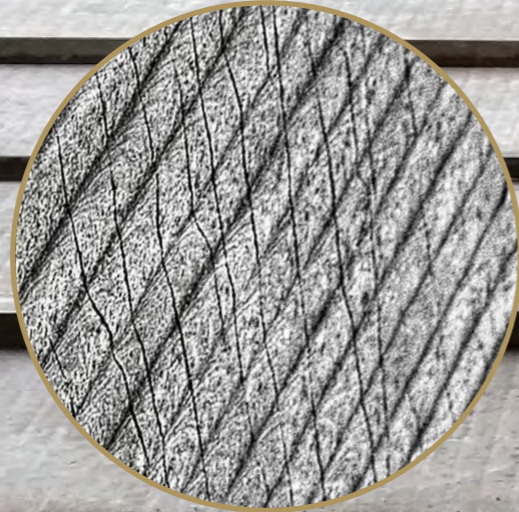
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TÜVRheinland
DIN EN ISO 3834-2

EURODUR® GMBH

AN OVERVIEW

FAMILY BUSINESS WITH
THE BEST ADVICE



WITH OUR PRODUCTS YOU WORK ...

- ✓ MORE SUSTAINABLY
- ✓ MORE RESOURCE-EFFICIENTLY
- ✓ MORE ADAPTIVELY
- ✓ COST-SAVING
- ✓ WITH THE BEST QUALITY
- ✓ CLIMATE FRIENDLY

Benefit from our unique range of services! Successful projects start with good planning! Our team is there to assist you at any time. Our sales representatives are themselves specialists, technicians or engineers and therefore qualified contact persons. We look forward to your project.

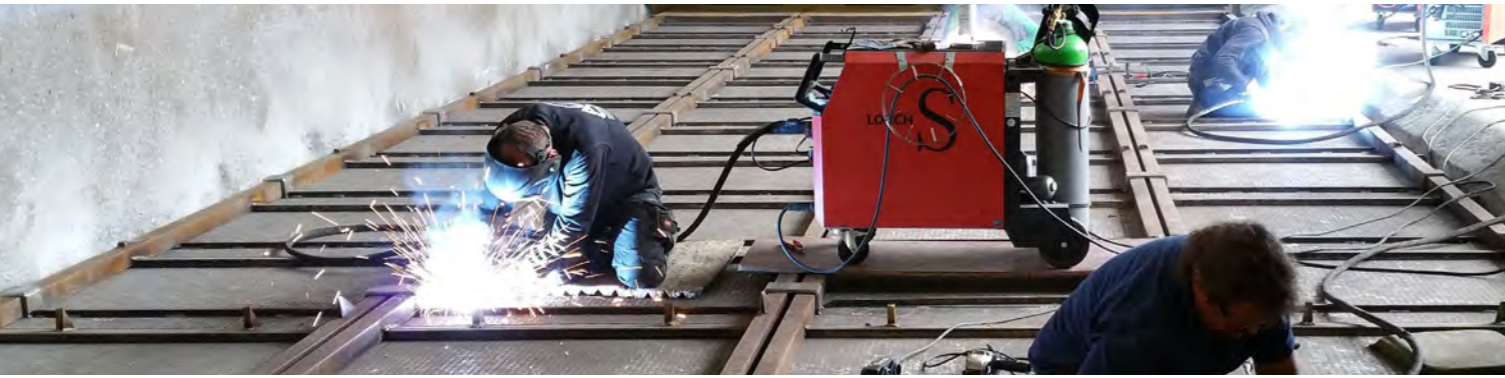
For more than 35 years, EURODUR® GmbH has been one of the leading manufacturers of highly wear-resistant special coatings for a wide range of applications and components. We manufacture equipment for national and international industrial and economic sectors. Upon request, this also includes assembly by our own specialists.

Our commitment is to provide the highest quality to you as EURODUR® customer. Not only when it comes to the high standard of our products, which is consistently above-average, but also with our consulting expertise, experience and reliability. The EURODUR® quality standard includes the ongoing development of our products and the constant optimisation thereof.

By using flux-cored electrodes, our manufacturing process reliably guarantees the highest coating quality. This process is characterised by the even distribution of hard carbides along the entire weld metal area and extremely low fusion with the actual base material.

The wear-resistant layers, which are produced using build-up welding machines developed specially for EURODUR®, therefore offer the greatest possible protection against wear and extend the service life of your equipment many times over. Thanks to the multitude of alloy compositions, we can always offer the right coating for your specific requirements.

BENEFITS WHEN USED OUR PRODUCTS IN BIOMASS AND WASTE-TO-HEATING PLANTS



1 SIGNIFICANTLY REDUCED WEAR

The use of highly wear-resistant layers prevents downtime due to elution, for example, while providing energy savings thanks to improved sliding properties.

3 ONGOING COST SAVING E.G. FOR PIPES, PIPE AND BOX BENDS

Highly wear-resistant pipe and box bends for the pneumatic conveyance of wood and ashes are produced using EURODUR® 2800 PREMIUM. The resulting coating reduces the costs for new products and curbs costly assembly activities.

2 SERVICE LIFE INCREASED BY UP TO 20 TIMES

The wear protection of EURODUR® not only increases the service life by up to 20 times compared to conventional steel constructions – the process reliability is also many times higher.

4 FLEXIBLE APPLICATION E.G. SCREW CONVEYORS & TANKS

Whether for raw material production, layered screw troughs or ash handling – wear-protected screw conveyors and tanks can be used in water-cooled systems as well as in hot areas.

5 PERFECT PROTECTION, EVEN UNDER EXTREMELY HIGH OPERATIONAL DEMANDS

For components with extremely high susceptibility to wear, for example in rotary feeders, we offer special coatings for the inner wall of the housing, the inlet and the rotary valve. These increase the service life and reduce downtime noticeably.

7 ADDITIONAL PROTECTION E.G. FOR ORANGE PEEL GRABS

Shells and tips are manufactured by us using highly wear-resistant composite materials. The edges are protected additionally by welding on a similar alloy. The material can be used on narrow and wide grabs as well as half-open and closed shell profiles.

9 SPECIAL ALLOYS AND COMPOSITIONS POSSIBLE

Specially tailored to the needs of our customers, we select the optimum composition from a large number of proven alloys. This ensures the best possible wear protection, even when facing the most demanding challenges.

11 INCREASED SERVICE LIFE E.G. FOR CHUTES AND SLIDES

Discharge chutes and slides can be lined with highly wear-resistant composite panels. On request, EURODUR® can build complete plant components, self-supporting or with exchangeable wear protection systems, which can also be assembled by one's own fitters if required.

6 ALWAYS THE OPTIMAL RESISTIVENESS

The highly wear-resistant EURODUR® 2800 coating can be used for / in cyclones, for example, in order to guarantee optimum resistance in contact with both solid and liquid particles.

8 SUSTAINABLE AND ENVIRONMENTALLY FRIENDLY

For example, we manufacture highly wear-resistant furnace grate plates from materials that are extremely heat- and wear-resistant. The service life compared to cast iron is therefore up to 5 times longer. In addition, downtime and assembly costs can be reduced by a factor of 3 to 5.

10 BETTER SLIDING PROPERTIES E.G. FOR FEEDERS AND FLOORS

Feeder gates and floors are coated and protected by us with EURODUR® 2600 composite plates. Double-layer coated plates are used for the intermediate guides. This ensures minimum wear and extremely high stability.

12 A SERVICE LIFE INCREASE OF UP TO 500% WHEN COMPARED TO WATER-QUENCHED HB-STEEL

By using highly wear-resistant materials on floors, scrapers and chain tracks, the service life can be increased by up to 500% compared to water-quenched HB steels. This means up to 5-times lower assembly costs, increased efficiency and increased production reliability.



EURODUR® WEAR PROTECTION IS ALREADY SUCCESSFULLY USED WITH / IN

Furnace grate plates and grate side plates
Multi-cyclone tubes and cyclones
Pipe bends, box bends and pipes
Ash discharge chutes and wet deslaggers
Ash screw conveyors
Rotary feeders

Push floors and push rods
Orange peel grabs
Raw material screw conveyors, tanks and feeders
Vibrating chutes
Chain trough conveyors and chain tracks
Feed chutes



OUR SERVICES

AT A GLANCE

PLANNING & DEVELOPMENT

Successful projects start with good planning!

SPECIALIST SALES TEAM

This makes communication at eye level possible.

WELDING & COATING

High-quality wear protection is our passion.

CONSTRUCTION

Turnkey construction is no problem for us!

FORMING & EDGES

Even if your request is out of the ordinary, we always deliver.

DELIVERY

We will gladly deliver your products to you after prior consultation.

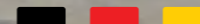
ASSEMBLY AND INSTALLATION

We can assemble and install directly at your site.



QUALITY
FOR MORE
THAN 35
YEARS

MADE IN GERMANY





OUR GENERAL TERMS AND CONDITIONS APPLY.
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