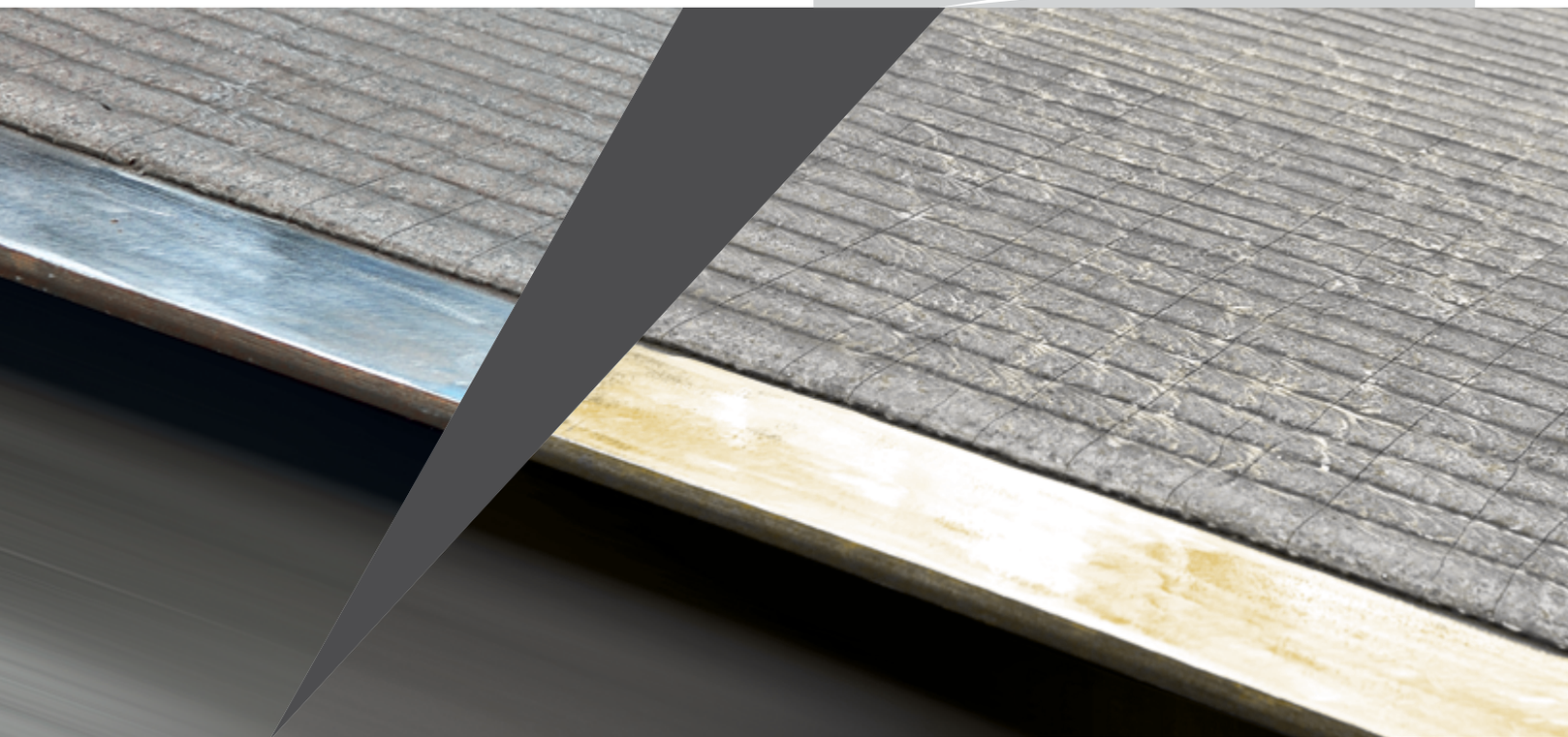
40 YEARS

DATA SHEET EURODUR® 2800 PREMIUM

EURODUR® GmbH | Bahnhofstraße 12 | D - 97717 Euerdorf
Tel. (09704) 91010 | **E-Mail:** eurodur@eurodur.com



PLANNING & CONSULTING

From consulting and system engineering to the finished product.

QUALIFIED CONSULTANTS

We have the right specialist for every challenge.

CONSTRUCTION & PRODUCTION

Your order is produced with our cutting edge technology in best quality with utmost accurateness.

DELIVERY / ASSEMBLY

Flexible and dependable – including assembly on-site.

EURODUR® always sets focus on innovative products. Constant enhancements are achieved by closely working together with you as our client. Only together your individual needs and challenges can be solved. Hundreds of active EURODUR® clients are able to verify this, especially in the field of cement, mining, steel- and recycling industry.

Every single EURODUR® production facility is equipped with the most advanced technology. Production is computer controlled to reproduce optimum material performance even with varying material thickness. Our intense research work lead us (for instance) to optimize the cooling cycle to enhance the hardening phase. Constant improvement and quality control guarantee for optimum performance.

40 YEARS

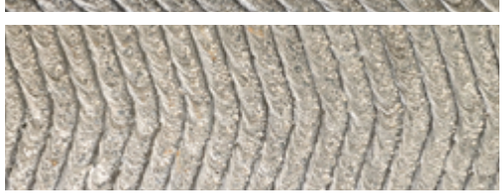
DATA SHEET EURODUR® 2800 PREMIUM

PRODUCT INFORMATION

Production Technology	The EURODUR® Composite plates are produced with a high share of carbon and chromium, manganese, silicon, vanadium and columbium. Embedded in the welding surface with ledeburitic structure are several very hard special carbides. The share of carbides is more than 50 %. Hard build-up welding according to DIN 8555.
Technische Daten	The EURODUR® 2800 Premium composite plates are produced with a high share of carbon and chromium, manganese, silicon, vanadium and columbium. Embedded in the welding surface with ledeburitic structure are several very hard special carbides. The share of carbides is more than 50%. Hard build-up welding according to DIN 8555.
Substrate to highly wear resistant coating	A highly efficient wear resistant surface welding is possible with varying substrates, form **S235R2 up to highly-alloyed materials.**
Material Thickness of base material	Standard thickness 5, 6, 8, 10 mm – more upon request.
Dimensions (coated area)	**Deliverable sizes:** Small: 850 x 1850 mm Medium: 1100 x 2350 mm Large: 1350 x 2850 mm Special formats up to max. 1850 x 3800 mm upon request.
Coatingthickness	Single Layer: 3 – 6 mm (for example 8 + 5 mm) Double Layer: from 8 mm substrate thickness (for example 8 + 4 + 4 mm)
Coating hardness	At normal temperature (20°C) EURODUR® 2800 Premium reaches a hardness of up to 63 HRC +/- 3. Operating Temperature up to 500°C. Hardness measurement with test piece DIN 32525-4.
Applications	For high abrasion resistance and medium pressure- and shock resistance.
Examples of successful usage	Fans, separators, coatings of mills in the coal- and cement industry, cyclones, mixer walls, excavator shovels, slides, glass industry, chemical industry, etc.

ADDITIONAL COATING VARIANTS

The 45 degree orientation of the welding bead to the conveying direction induces only small wear. Welding toes as well as hardening cracks are directed at a 45 degree angle to the conveyor stream, protecting the component against wear.



Wearout during transportation of highly abrasive media is often evident at welding transitions. If high speed transportation of highly abrasive or very fine particles is needed, the welding in sine wave form should be preferred because it shows great advantages in reduced wear of the component.