

**WPE**

Company Profile



Worldwide

Ceramic Wear Protection

Metallic Wear Protection

Industrial Flooring and Pavements

Ultra High Performance Concrete Solutions



Technology from  
Germany

## WPE Wear Protection Engineering GmbH

was established in the year 2001 as a supplier of Ultra High Performance Concrete (UHPC), ceramic and metallic wear protection solutions.

Today we are one of the leading company in developing, producing and supplying of Ultra High Performance Concrete under the trade name WPE Diamond.

The Headquarter and Workshop

of WPE is situated in Rheinberg, near to Düsseldorf. In a circle of 100 km around Rheinberg you will find many coal fired power plants, steel plants, cement plants, chemical plants and mining plants. In our workshop we do all the wear protection lining work and steel work. Here is also our material stock. The WPE Diamond production plant is just 20 km from our Headquarter. Beside the daily installation work we also train

in our workshop installer from our world wide customers.

WPE is a well know company for wear protection engineering. WPE specialists are working in the mining, energy, steel, cement and chemical industry world wide. WPE Wear Protection Engineering is today a technical service partner and supplier of most for OEMs in Europe. We run projects in Asia, South America, North America and Africa.





## WPE – Specialist Engineering Contractor for wear protection

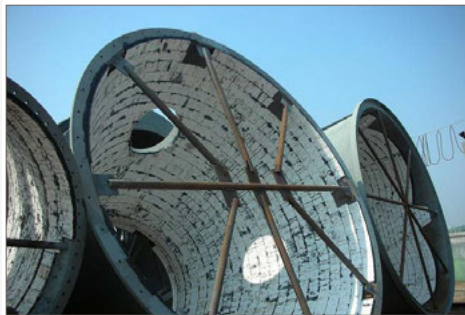
Engineered Solutions for the Cement-, Power-, Steel-, Mining-, Chemical- and Marine Industries.

WPE GmbH is fast becoming the first choice specialist engineering contractor for the international process industry.

From conceptual to execution, WPE expert team of engineers efficiently deliver integrated turn-key solutions, underpinned by sound engineering principles and third party certification from the relevant classification agencies.

- Grinding systems for coal, ore, clinker
- Separation systems for ore, sand, minerals, cement

- Mechanical-, pneumatic- and hydraulic material transport systems for ash, coal, ore, clinker, cement, minerals
- Pipe components in all dimensions, geometries for all temperatures
- Heat protection systems
- Impact protection systems
- Corrosion protection systems
- Dedusting systems for all industries and temperatures



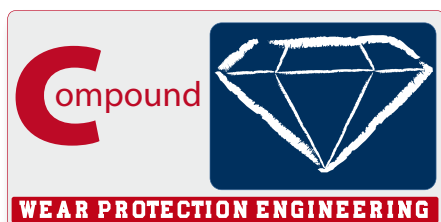
WPE worldwide acting installation teams are experienced and dedicated to providing the best wear protection solutions and services to our customers.



## Turnkey design and installation services

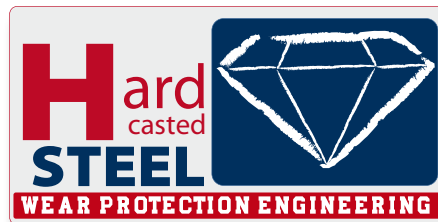
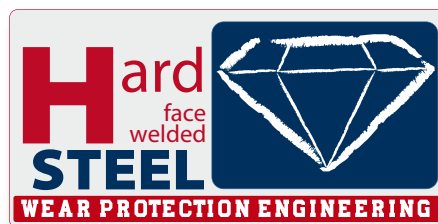
WPE provides complete turnkey services, which includes consultancy, design, planning supply of material, installation, test sampling and documentation for any project. Experienced personnel, specialised equipment and quick mobilisation ensure projects carry out safely, on time and in accordance with our quality system.

Being a global organization with local offices and partners in Denmark, South Korea, Japan, USA, Chile etc. our WPE teams provides you with turnkey solutions and experience engineering service at your doorstep.



## Products:

- WPE Diamond Flex
- WPE Diamond Cast
- WPE Diamond Spray
- WPE Cast Basalt
- WPE Aluminaoxide Ceramic
- WPE Zirconiaoxide Ceramic
- WPE Siliconcabide Ceramic
- WPE Hard face welded Steel
- WPE Hard casted Steel
- WPE Hard Steel
- WPE Compound





## Industrial Flooring and pavement solutions

Industrial floors and roadways are permanently impacted by heavy traffic and material movements. Necessary renovation, repairs are hinder the important production traffic.

Damaged roadways and floors of stockyards are a constant source of danger, specially in iron-/steel plant and mines.

Stockyards floors are stressed for example by hot steel collies, impact and attack by wear of moving high point load of heavy steel ladles, containers or storage of ore or metal scrape.

Such damaged areas are constantly danger for workers and vehicles.

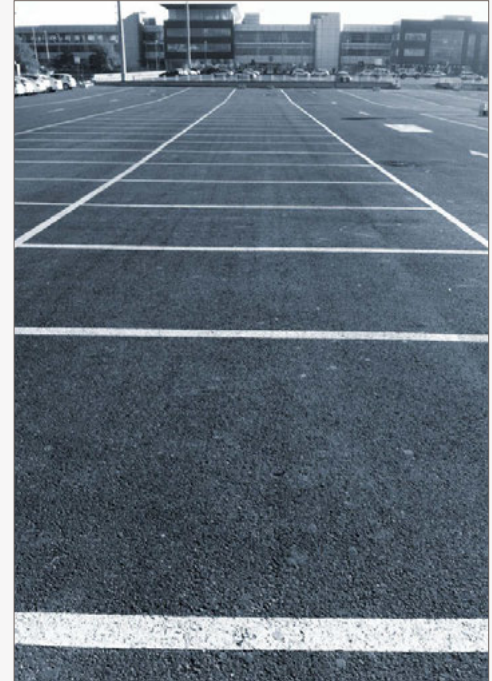
## Resistant to tough environments

WPE DiaTop floor products are extreme wear resistant and have an extreme high compressive strength after a short curing time of 24 hours.

The lining system is jointless. WPE DiaTop lining systems are highly corrosion resistant compared to normal standard flooring products. WPE also offer a high temperature version of the DiaTop layer products.

### Products:

- WPE DiaTop
- WPE DiaPhalt



## Further Markets for WPE Diamond Ultra High Performance Concrete

### Windmill foundation

WPE Dia GSR (for grouting)  
WPE Dia FSR (for foundation)



### Concrete construction in harbour areas

WPE DiaTop  
WPE DiaPhalt  
WPE DiaConcrete

### Concrete construction on seaside

WPE DiaTop  
WPE DiaPhalt  
WPE DiaConcrete  
WPE DiaSpray

### Tunnel construction

WPE DiaTop  
WPE DiaPhalt  
WPE DiaConcrete  
WPE DiaCast  
WPE DiaSpray



### Bridge repair

WPE DiaTop  
WPE DiaPhalt  
WPE DiaConcrete  
WPE Dia Spray

### Security barriers, safes, vaults and ATMs

WPE DiaSec



### Offshore

WPE Dia GSR (for grouting)  
WPE Dia FSR (for foundation)





## Airport construction

WPE DiaTop

WPE DiaPhalt

WPE DiaConcrete



## Military construction

WPE DiaTop

WPE DiaPhalt

WPE DiaConcrete

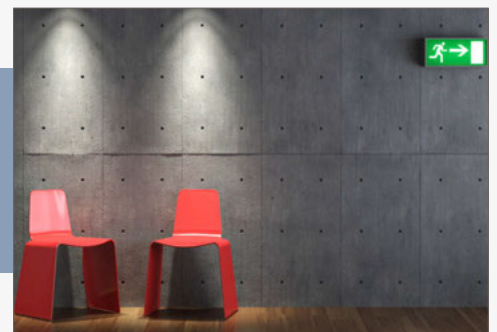
WPE Dia HighSec



## Special furniture production and facade elements

WPE DiaCon Cast

WPE DiaCon Design



## Quality, Health, Safety and Environment

WPE provides high performance solutions to customers in accordance to international laws and quality systems.

## Research and Development

Development of new products and product solutions has always been a key activity of WPE. The focus on innovation and development has led to numerous products and concepts, all based on WPE Ultra High Performance Concrete.



### Subsidiary:

WPE Denmark

WPE Korea

WPE Espania

### Partner in:

Japan

Chile

USA

Vietnam

UK

Philippines

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