

# BeCoat® ADVANTAGES

- Wear protection for nearly all product geometries
- Cost reduction due to less downtime
- Optimised material properties
- Evenly distributed fused tungsten carbide (FTC) and low dilution

# INDUSTRIES

- Mining
- Agriculture and Forestry
- Material transport and crushing
- Recycling
- Industrial applications
- Many more

### APPLICATION EXAMPLE



**SURFACE  
TECHNOLOGIES**

- ROAD MILLING
- SURFACE MINING
- STABILIZING
- RAIL TRACK CONSTRUCTION
- CRUSHING & MIXING



**UNDERGROUND  
TECHNOLOGIES**

- FOUNDATION DRILLING
- MINING
- TRENCHLESS
- TRENCHING
- TUNGSTUDS
- DRUM CUTTERS



**ENVIRONMENTAL  
TECHNOLOGIES**

- AGRICULTURE
- GRADER TOOLS
- TUNGSTEN CARBIDE
- FORESTRY & RECYCLING

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**WEAR SOLUTIONS**

# BeCoat® HARDFACING

Effective March 2019 Technical changes reserved © BETEK GmbH & Co. KG

# BeCoat® HARDFACING

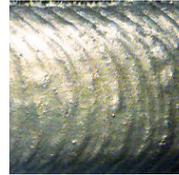
## ▶ BETEK

For decades, BETEK has been your reliable partner for tungsten carbide solutions. In response to increased demands from our customers for high-quality hardfacing, we have developed our BeCoat® series. Special focus was placed on fused tungsten carbide (FTC) alloys that are proven to withstand even the harshest environments: BeCoat® 10063 and BeCoat® 10035 (additional types are currently undergoing field tests). BeCoat® hardfacing ensures optimal wear protection for every component. Contact us today.

## ▶ OUR PORTFOLIO

- . Buffer layers
- . Coating thicknesses ≤ 6mm
- . Flexibility provided by handheld and automated hardfacing machines
- . Hardfacing and tungsten carbide combinations
- . Repair services
- . Engineering and consulting

## ▶ HARDFACING TYPES



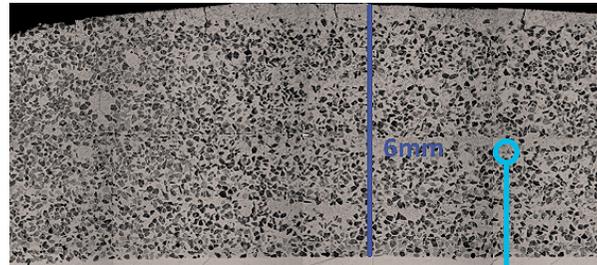
FeCr  
hardfacing



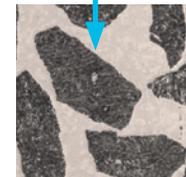
NiCr + FTC  
hardfacing



TC grit  
hardfacing



BeCoat® 10063 6mm  
hardfacing layer with  
evenly distributed FTC



FTC particles

## ▶ ENGINEERING

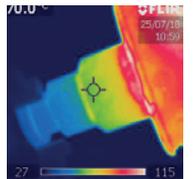
- . Material engineers & application experts to solve any wear issues
- . The highest degree of flexibility for high-volume production and customised prototypes
- . In-house laboratory to ensure quality control during all processes



Engineering



Hardfacing



Process control

