

Next-level die coating technology: One Layer, one coating, maximum efficiency



INNOVATION & TECHNOLOGY

THE CHALLENGE

The automotive foundry industry faces a significant challenge in extending the service life of die coatings. A long service life of die coatings is crucial for reducing downtime, increasing productivity, and achieving excellent surface finishes of the products. Traditional die coatings require the application of a primer and often a protective coating, which increases the complexity and time of the coating application process. Additionally, regular touch-ups are needed to maintain the service life of the coatings.

FOUNDRY:

BBS Schiltach GmbH is a German foundry that specializes in the design, engineering, and production of high-performance wheels for cars, trucks, and motorcycles. The company was founded in 1970 in Schiltach, Germany, and has since become a well-known name in the automotive industry.

PARAMETERS

Alloy: AlSi7Mg

Casting weight: 12 kg

Pouring temp.: 720°C

Casting time: 600 s

Moulding Process: Low Pressure Die Casting

FOSECO PRODUCTS

DYCOTE* SAFEGUARD 39 die coating

OUR SOLUTION

To address these challenges, Foseco has developed an innovative all-in-one long-life coating, DYCOTE SAFEGUARD 39, specifically designed for die coating applications. It eliminates the need for additional products such as primers and protective coatings, simplifying the application process and significantly reducing the application time. Furthermore, it provides excellent service life, reducing the need for regular touch-ups, and improving the overall surface finish quality of the wheel products.

KEY BENEFITS

- Quick and simple application process
- Long service life
- Reduced touch up operation
- Excellent surface finish

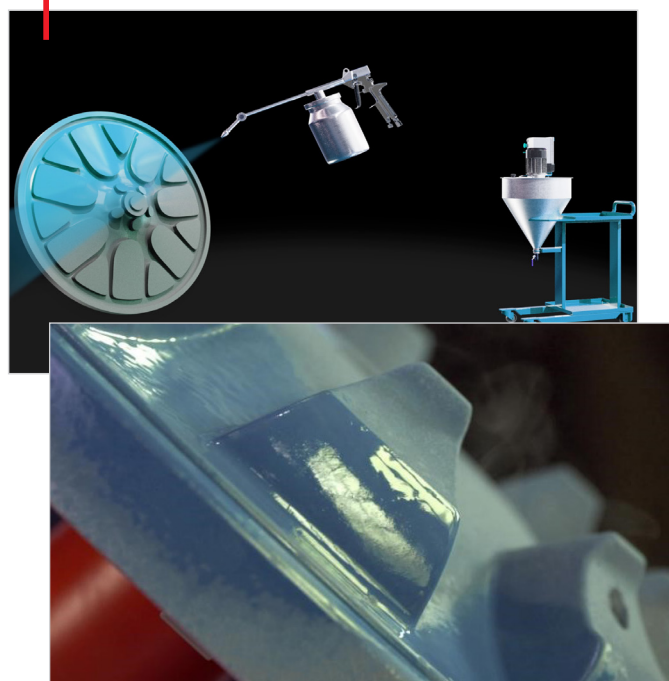
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THE OUTCOME

BBS Schiltach GmbH implemented DYCOTE SAFEGUARD 39 in their production line. The use of the coating has resulted in a simplified and quicker application process, saving valuable production time. The service life of the die coatings has been significantly improved, reducing the need for touch-ups, and resulting in an excellent surface finish of the wheel products. Overall, DYCOTE SAFEGUARD 39 has proven to be a reliable and efficient solution to the challenges faced by the foundry industry.

DYCOTE SAFEGUARD
application in one layer



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