



CASE STUDY | NON-FERROUS COATINGS



...matters for all.



THREE COATINGS FOR TRIPLE LIFETIME

PARAMETER:
Alloy: AlSi7Mg
Temperature: 720°C
Process: Low Pressure Die Casting

ALUMINIUM WHEEL

FOUNDRY:

CMS Izmir is the biggest aluminum alloy wheel manufacturer in Turkey and the third biggest in Europe with its three production facilities.

FOSECO PRODUCTS

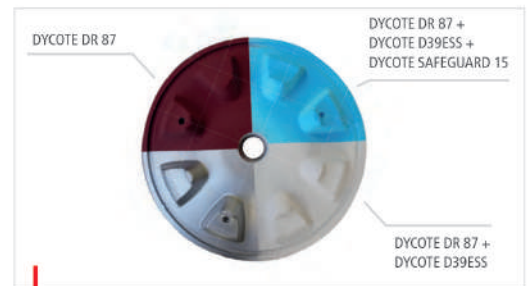
- DYCOTE* DR 87
- DYCOTE D39ESS
- DYCOTE SAFEGUARD 15
- DYCOTE SPRAYGUN

KEY BENEFITS

- Excellent surface quality
- Extended service life
- Increased productivity



Example of an aluminium wheel



Coated die with DYCOTE



THE CHALLENGE

For the production of aluminium wheels for the automotive industry, the service life of the die coating and the surface quality of the visible parts of the wheel are essential. A poor service life leads to interruptions in the casting process and increased rejects due to poor surface quality.



OUR SOLUTION

DYCOTE D39ESS is the best in class coating for the visible areas of an Aluminium wheel. The application of DYCOTE SAFEGUARD 15 extends the service life up to 300%. The DYCOTE SPRAYGUN helps operators to apply the coatings on the die both for first preparation and touch up.



THE OUTCOME

By the use of the DYCOTE products the service life of the coating was extended significantly. The surface quality of the wheel meets the requirements over the whole process. The DYCOTE SPRAYGUN provides an excellent distribution of the coating.

