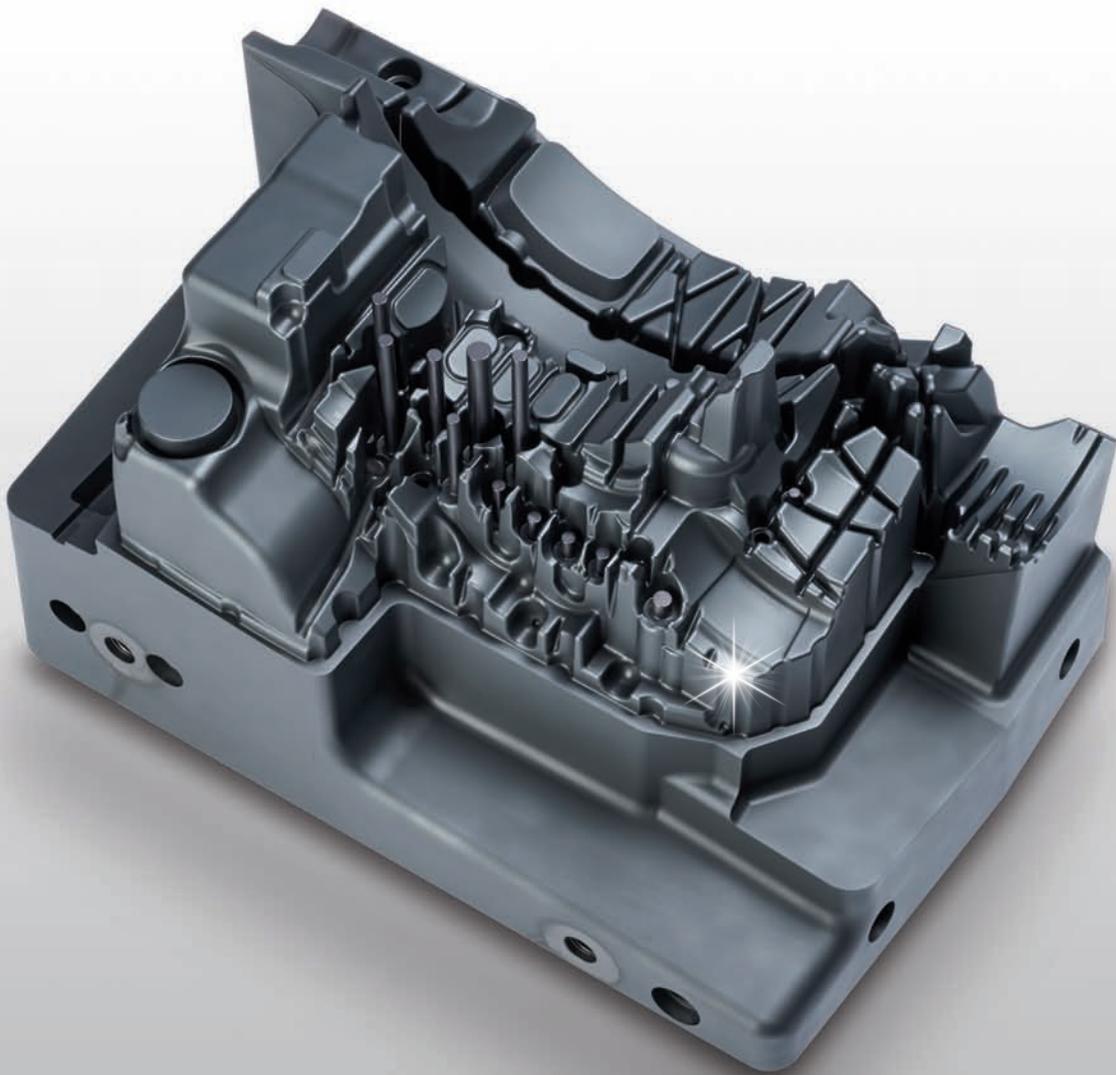


BALINIT FORMERA

The ultimate coating solution
for complex die casting applications



Die Casting

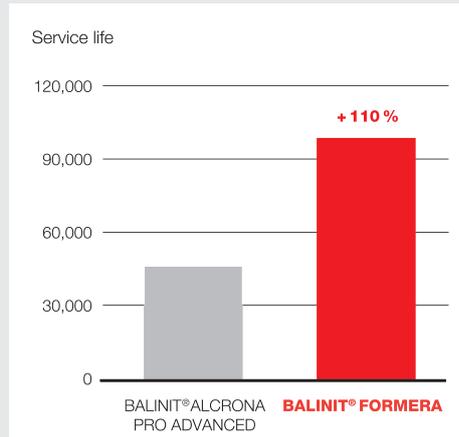


BALINIT FORMERA – designed to meet the challenges of die casting

The die casting industry is constantly facing new challenges in terms of die-cast part tolerances, requirements for surfaces, cycle times, and casting tools of which more and more is demanded. The exceptionally hard, extremely erosion and wear-resistant coatings from Oerlikon Balzers are a significant factor when it comes to protecting the mould from soldering and premature fire cracks. BALINIT® FORMERA plays a major role in stabilising the casting process and in reducing both maintenance costs and waste material.



BALINIT® FORMERA in aluminium die casting



Tool	Die casting mould
Alloy	AlSi9Cu3 (226)
Part/ designation:	Core
Challenges	- soldering - demoulding - service life
Solution: BALINIT® FORMERA	- reduced soldering - increased service life - better demoulding - no maintenance needed

BALINIT FORMERA: the solution to a range of challenges

How you benefit:

- reduced soldering
- increased service life
- better demoulding
- delayed fire crack formation
- less erosion

Benefit from excellent coating properties

	BALINIT® FORMERA
Coating material	CrAlN-based
Coating hardness H_{IT} (GPa)	28 ± 2
Friction coefficient (dry) against steel	0.35
Max. coating temperature (°C)	480
Coating colour	light silver grey

All of these values are approximate and depend on the respective application as well as the ambient and test conditions.

Contact us today to benefit from BALINIT FORMERA coating solutions!

Headquarters Balzers | Oerlikon Balzers Coating AG | Balzers Technology & Service Centre
Iramali 18 | LI-9496 Balzers | Liechtenstein | T +423 388 75 00 | www.oerlikon.com/balzers