

Steel

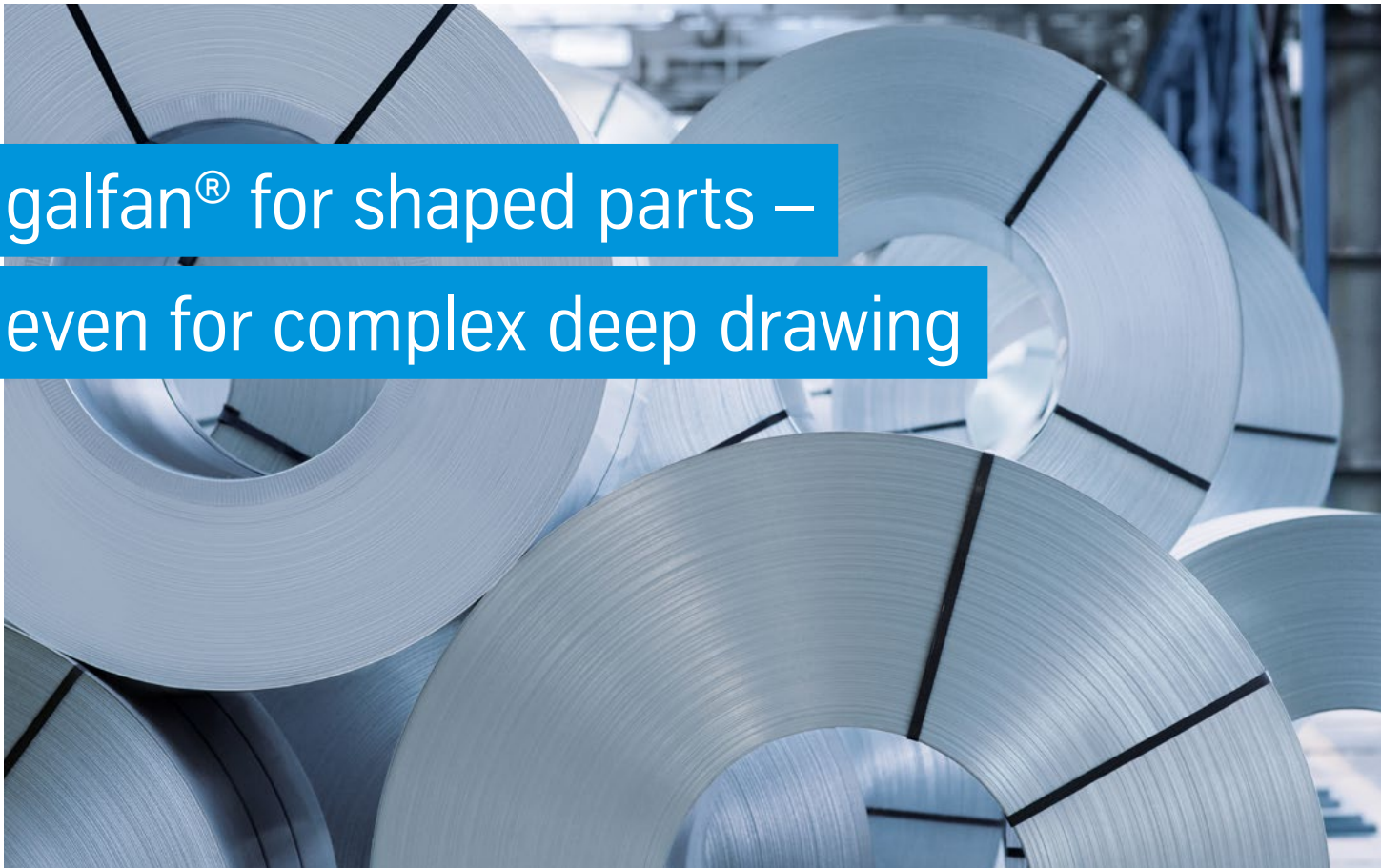
galvan® – high
corrosion
protection and
excellent forming
properties

Zinc-aluminum coated
sheet (ZA) for automotive
construction parts



thyssenkrupp

Also
available
with differential
coating!



galfan® for shaped parts – even for complex deep drawing

Housings of airbags, oil filters, electrical components and for oil pans: for these and other parts in the automotive industry, galfan® meets the exact requirements. The zinc-aluminum-coated sheet (ZA) offers higher corrosion resistance than standard galvanization and is highly formable – even for profiles with tight radii. We also offer galfan® with different coatings on each side to achieve better corrosion protection on the exterior and enhanced formability on the interior. As a reliable partner to the automotive industry, we ensure long-term supply, even in large quantities.

Ideal for processing

galfan® is a ductile coating with excellent forming properties. It is particularly suitable for deep drawing with high degrees of deformation and profiling with tight radii – without the risk of cracking, flaking, or tool wear. The reasons for these outstanding properties: the eutectic structure and the fine intermetallic bonding layer. Due to its aluminum content, ZA sheet also has better corrosion resistance than standard galvanized materials of the same coating thickness.

Very good to paint

galfan® offers excellent paint adhesion for organic coatings. All known organic coating processes can be applied. In the painted condition, galfan® provides exceptionally high corrosion protection.

Available steel grades

Deep-drawing steel

Steel grade DIN EN 10346	Surface finishing galfan®
DX51D	●
DX52D	●
DX53D	●
DX54D	●
DX56D	●

Hot-dip coated structural steel

Steel grade DIN EN 10346	Surface finishing galfan®
S220GD	●
S250GD	●
S280GD	●
S320GD	●
S350GD	●
S390GD	●
S420GD	●
S450GD	●

Micro-alloyed steel

Steel grade DIN EN 10346	Surface finishing galfan®
HC260LA / HX260LAD	●
HC300LA / HX300LAD	●
HC340LA / HX340LAD	●
HC380LA / HX380LAD	●
HC420LA / HX420LAD	●

High-strength IF steel

Steel grade DIN EN 10346	Surface finishing galfan®
HC220Y / HX220YD	●

- Serial production
- On request

Tolerances: Limit dimensions and shape tolerances according to DIN EN 10143.

Surfaces

Like hot-dip galvanized sheet, zinc-aluminum coated galfan® sheet is also continuously produced in a furnace-metal bath process.

Available coatings for galfan®

- ZA95
- ZA130
- ZA185
- ZA200
- ZA255
- ZA300

Additional coatings and different coatings per side are available by agreement.

Surface types

galfan®-coated sheet is available in the surface type

- A (normal surface)
- B (improved surface) and
- C (best surface)

according to DIN EN 10346.

Surface treatments

The following surface treatments are available:

- U¹ (without surface treatment)
- O (oiled)
- C (chemically passivated)
- CO¹ (chemically passivated and oiled) and
- S (sealed)

¹ On request.

Motor housing
Source: PWO AG



Steel

thyssenkrupp Steel Europe AG
Kaiser-Wilhelm-Strasse 100
47166 Duisburg, Germany
P: +49 203 52 - 0
www.thyssenkrupp-steel.com

Further information at:
www.thyssenkrupp-steel.com/en/galfan/



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