

Hillebrand range of products and services

	Thick film systems			Thin film systems				
	Premiu powder coating	KTL Cataphoretic painting	Premium powder coating and KTL	Zn phosphatizing ENDURION	Multi Functional Coatings (MFC)			NFC Nano functional coating
	HCT			TriboCoating®				
	60-120 µm	20 µm	> 80 µm	2-12 µm	10-35 µm	10-35 µm	5-20 µm	2-6 µm
Properties								
Coating thickness	60-120 µm	20 µm	> 80 µm	2-12 µm	10-35 µm	10-35 µm	5-20 µm	2-6 µm
Corrosion protection	●●	●	●●●	●	●	●●	●●●	●●●
Dry lubrication	●			●	●●●	●●	●	●●●
Wear resistance	●	●	●	●	●●●	●●	●	●●
Impact resistance	●●●	●	●●●					
Decorativeness	●●●	●	●●●					
Easy to clean	●		●			●●		●●
Anti fingerprint	●		●			●		●●
Temperature resistance >300°C	●				●●			
Cr VI free	●●●	●●●	●●●		●●●	●●●	●●●	●●●
Bulk treatment					●●●	●●●	●●●	●●
Spraying/mounting treatment	●●●	●●●	●●●		●●●	●●●	●●●	●●●
Suited materials								
Al-alloys	●●●	●	●●●		●●	●●	●	●●●
Steel	●	●●●	●●●	●●●	●●●	●●●	●●●	●
Steel electroplated	●●	●●●	●●●		●●	●●	●●	●
Diecasting	●●●	●●	●●					
Zn diecasting	●●●	●●	●●		●●	●●	●	●●
Al diecasting	●●●	●●	●●		●	●	●	●●
Mg diecasting	●●	●●	●●					
Polyamide (PA66)	●				●	●		
POM					●	●		
EPDM					●	●		

Supporting Services

With rising demands of our customers additional service requirements are expected from a premium job coater.

This is where Hillebrand Coating Technologies has reorganised itself as a Full Service Supplier to meet all requirements along the line of value added chain.

At this stage we provide additional benefit to our customers:

- ▶ Assembly
- ▶ Finishing
- ▶ Foiling
- ▶ Special packaging according to the requirements of our customers
- ▶ Direct shipment to OEM.

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Hillebrand

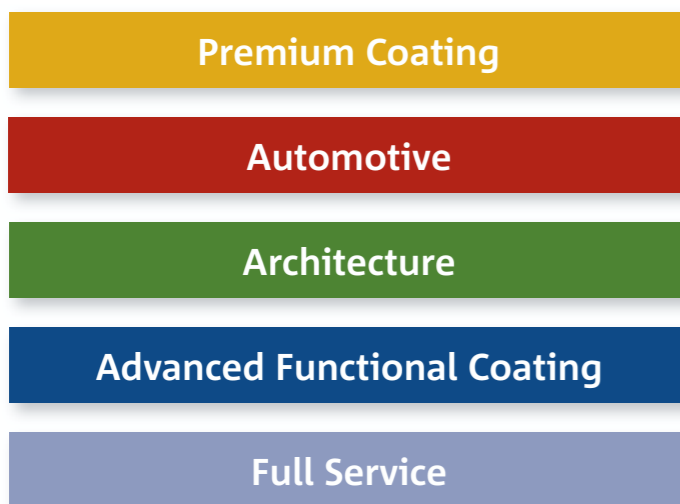
COATING TECHNOLOGIES

Multiple Coatings for your success



With a long **tradition** and great **passion** we have been actuating the surface finishing of metallic substrates and plastics for almost 50 years. Our customers, or rather, our partners, are taking centre stage on the path to a perfect surface.

The five essential segments of Hillebrand surface systems, of which we would like to make a short outline to you: Premium Coating, Automotive, Architecture, Advanced Functional Coating and Full Service.



Premium Coating

Our specialities are coatings on castings (CPC) and plastics (PPC).

Those are first-class with powder coatings of the latest generation.

The excellent management of processes and manufacturing steps for achievement of customer fulfillment ensured with Hillebrand.



Automotive

In the domain of automotive industry we have achieved the objective of optimising the corrosion properties with chromate-free systems on aluminium – as well as steel substrates.

This was accomplished through the link with an innovative cathodic dip coating by simultaneously high edge guard and an online-dead-powder coating.



The résumé of our customers is succinctly: **»Hillebrand has the highest quality standards in the market for panels and trims, the most efficient processes with least rotating stock and the highest First-Run-Quota«.**



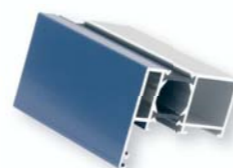
Architecture

Robust and soil-resisting effects are supposed to be defining the surface. Repair and intensive cleaning of facades result in considerable costs. Our customers ask for long durability with appropriate warranties.

With those requirements, we from Hillebrand are precisely the right people for your tasks.

Top quality powder coating systems, combined with our coatings expertise guarantee a perfect surface for architects and metal working companies. Our premium coating gives you the security of consistent high quality.

With us you obtain customised object related solutions. The Hillebrand expert knowledge in conjunction with swiss quality powder coatings is setting standards even with Green Solution*. Make use of our know-how.

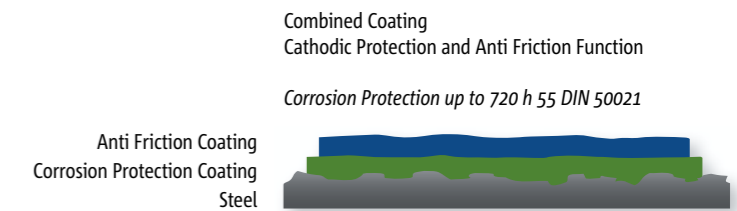


We are developing easy-to-clean solutions for your fronts, which have the properties of preserving the environment and significantly reducing your costs.

* Green Solution is our answer to the increasing demand of environmentally friendly front coatings.

Advanced Functional Coating

The functionalisation of material surfaces is gaining in importance. Effects such as easy to clean, anti-creak, anti-adhesion, dry-film lubricant or high quality corrosion protection – all those features can be achieved through an functionalisation of surfaces. You can profit through a significant improvement in performance of your components or entirely new profiles of properties. The Hillebrand expert team welcomes you to retrieve those treasures and design an ideal solution in reference to your component.



Use our competences to increase the value of your products:

- **Anti Friction Coatings**
- **Zinc Flake Coatings**
- **Nano Functional Coatings (NFC)**

Full Service

Hillebrand has positioned itself newly as a **Full-Service-Supplier** and expanded its in-house production depth about technical services.

Already today we can offer a wide range of further assistance: mounting, tailoring, foiling, special packaging according to the requirements of our customers, as well as direct shipment to the OEM. This way automotive customers can have the desired number of units in the agreed quality delivered just in time.

We are ambitiously pursuing the goal to bring our performance to perfection and to offer our customers a comprehensive

»all around carefree package«.

While doing this we do also go unconventional paths.

The long-term grown quality- and service understanding of our staff is a particular strength of our company. For this reason our customers secure a fundamental competitive advantage. **With passion for service to achieve maximum quality.**

