



## Doerken® Engineered Coatings

### **Multifunctional, Environmentally-Friendly Coatings for a Wide Variety of Applications**

Modern Plating Coatings & Finishes is licensed to apply the full range of Doerken engineered finishes. All Doerken coatings are environmentally-friendly and designed to provide optimum performance in corrosion protection, consistent torque-tension values and resistance to chemical attack. Doerken finishes are hex-chrome-free.

#### **Delta-Protekt®**

The Doerken *Delta-Protekt* series finishes include an inorganic basecoat and topcoat system (see reverse side for more details.) This is the optimal system for fasteners (M4 through M18) and other small metal components. Corrosion resistance of over 1,000 hours in neutral salt spray can be achieved.

#### **Delta-Coll®**

The Doerken *Delta-Coll* series finishes include an inorganic topcoat system over an electroplated basecoat (see reverse side for more details.) This system offers multifunctional topcoats which permits it to be used in a wide range of applications. Corrosion resistance of over 720 hours in neutral salt spray can be achieved.

All Doerken finishes are engineered to provide:

- Thin, uniform coating thickness
- High corrosion and cathodic protection
- High resistance to chemical attacks
- Good temperature resistance
- No hydrogen embrittlement
- Consistent torque and tension performance



Modern Plating Corporation  
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Modern Plating Coatings & Finishes  
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**Modern Plating  
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**Delta-MKS basecoat plus inorganic topcoat**

Doerken Finish	Total Coefficient of Friction* per DIN946	Automotive Approvals (partial listing)	Comments
Delta-Protekt KL100 plus Delta-Protekt VH 3xx	Delta-Protekt VH 300 (no defined coefficient of friction)	Toyota GM Chrysler VW Bosch	High performance system. Extremely thin layers of topcoat as low as 1 - 3 µm are possible.
	Delta-Protekt VH 301 GZ 0.09 - 0.14	Chrysler BMW VW Fiat Porsche Bosch Continental Teves	High performance system with specific automotive coefficient of friction adaptation.
	Delta-Protekt VH 302 GZ 0.10 - 0.18	Ford GM Volvo Nissan Renault Volvo Truck	
	Delta-Protekt VH 315 0.12 - 0.18		

\* Depending upon individual manufacturer's requirement

**Electroplated zinc basecoat plus Delta-MKS topcoat**

Base	Doerken Finish	Total Coefficient of Friction* per DIN946	Automotive Approvals (partial listing)	Comments	
Electroplated zinc basecoat	Delta-Protekt VH 35x series	Specific automotive requirements	Ford Chrysler BMW Volvo VW TRW	Water based sealants	
	Delta-Protekt VH36x series	Specific automotive requirements	TRW	Water based sealants	
	Deltacoll	Deltacoll 80 Black (no defined coefficient of friction)	Deltacoll 80 GZ black 0.09 - 0.14	GM BMW VW	Solvent based topcoat
		Deltacoll 80 clear (no defined coefficient of friction)	Deltacoll 80 clear 0.09- 0.14	GM BMW VW TRW	
		Deltacoll 80 clear 0.09- 0.14	GM Chrysler BMW Bosch TRW VW		
	Delta-Protekt EK-800 series	Delta-Protekt EK 801/802 0.09 - 0.14	VW	Innovative process for complex shapes and small components	
	Delta-Seal Series	Delta-Seal GZ 0.09 - 0.14		Various colors available	

\* Depending upon individual manufacturer's requirement