

GREENKOTE® Diffusion Coatings

Code	Application	Base metal	Modifying elements	Coating process temper. C	Coating Properties					Notes
					Thickness, Variety, µm	Salt spray test hrs	Operating temper. °C	Micro-hardness		
								HV/HK	HRC equiv.	
PM-1	Corrosion resistance, pre-coating for corrosion resistance and anti-friction duplex coatings	Carbon and low-alloy steels, cast iron	Zn-Al	380...450	15...80	to 1000	to 350	390...420	40-43	For heavy marine, industrial, tropical and rural environments
PM-1H	Corrosion resistance, pre-coating for corrosion resistance and anti-friction duplex coatings	Carbon and low-alloy steels, cast iron	Zn-Al	380...450	15...80	to 1000	to 350	470...510	47-50	For heavy marine, industrial, tropical and rural environments
PM-10	Corrosion resistance, pre-coating for corrosion resistance and anti-friction duplex coatings	Carbon and low-alloy steels, cast iron	Zn-Al	360-380	5...15	*)	to 350	360...390	36-40	Excellent base for organic corrosion resistance and anti-friction topcoats
PM-21	Corrosion resistance, pre-coating for corrosion resistance and anti-friction duplex coatings	Carbon and low-alloy steels, cast iron	Zn-Al-Mg	360-380	5...15	*)	to 350	320...340	32-34	Excellent base for organic corrosion resistance and anti-friction topcoats, suitable to fasteners
ML-1	Corrosion resistance	Low carbon steels	Cr	850-950	5...30	n/r	to 600	n/r	n/r	
HT-2A	High-temperature oxidization resistance, anti-seizing	Stainless Steels, Ni-allows	Al-Si-B	800...850	20...100	n/r	to 1000	600...650	55...58	
HT-2C	High-temperature oxidization resistance, anti-seizing	Carbon and low-alloy steels, cast iron	Al-Si-B	800...850	20...100	n/r	to 550	400...450	41...45	
HT-2T	High-temperature oxidization resistance, anti-seizing	Ti-allows	Al	800...850	20...100	n/r	to 900	400...450	41...45	
HC-1	High-temperature oxidation resistance, corrosion resistance, anti-seizing, surface hardening, wear resistance	Carbon and low-alloy steels, stainless steels and cast iron	Cr	850...1000	5...30	n/r	to 650	1200...1500	71.5...75	Low and medium carbon steel must be carburized before coating. Heat treatment after coating permissible
HC-1N	High-temperature oxidation resistance, corrosion resistance, anti-seizing, surface hardening, wear resistance	Carbon and low-alloy steels, stainless steels and cast iron	Cr-N	850...1000	5...30	n/r	to 650	1600...1800	—	Low and medium carbon steel must be carburized before coating. Heat treatment after coating permissible
HC-2	Anti-seizing, surface hardening, wear resistance	Carbon and low-alloy steels, stainless steels and cast iron	V	850...1000	3...12	n/r	to 650	3000-3600	—	Low and medium carbon steel must be carburized before coating. Heat treatment after coating permissible
HC-3	Anti-seizing, surface hardening, wear resistance	Carbon and low-alloy steels, stainless steels and cast iron	Cr-V	850...1000	5...30	n/r	n/r	1900...2400	—	Low and medium carbon steel must be carburized before coating. Heat treatment after coating permissible
HC-4	Anti-seizing, surface hardening, wear resistance	Ti-allows	Si	850	10...35	n/r	n/r	640...725	57.5...61	
HC-5	Anti-seizing, surface hardening, wear resistance	Stainless Steels, Ni-allows	Al-Si-B	800...850	10...80	n/r	to 900	700...800	60...64	
TN-1	Anti-seizing, surface hardening, wear resistance	Metals, alloys and ceramics	Ti-N	800...900	2...10	n/r	to 800	~ 1800	—	
TNT-1	Anti-seizing, surface hardening, wear resistance	Ti-allows	Ti-N	800...900	2...10	n/r	to 800	~ 1800	—	
TAN-1	Anti-seizing, surface hardening, wear resistance	Metals, alloys and ceramics	Ti-Al-N	800...900	2...10	n/r	to 800	~ 2000	—	
SH-1	Pre-coating for anti-friction MoS2 coating	Aust. St. Steels	Si	800...900	10...30	n/r	n/r	640...725	57.5...61	

Reference *) Together with topcoat - to 2500 hrs and more