

**Table 6.4.2 D: Characteristics of Corrosion-Protection Processes for Steel, IONIT OX Compared to Hard Chromium Electroplating** (auf dem Brinke and Krug, 2001)

Factor	Chromium Electroplating	IONIT OX
Treating Temperature, °C	<100	500-580
Environmental Concern	Cr(VI)	CO <sub>2</sub> /NO <sub>x</sub>
Coating	Chrome with Cr(VI)	Oxide
Structure	Porous, brittle	Dense
Depth, mm	20	0.2-0.3
Vickers Hardness, VHN	900	800-1400
Hardness Gradient	Steep	Very good
Salt Spray Test Duration, h	300	500
Production Costs	High	Low