

Protection upgraded



SurTec 883 XT

The only Cr(III) Technology with Cr(VI) Colour

SurTec's established trivalent chrome process achieves identical colour values as traditional Cr(VI) processes.

	Cr(VI)	Cr(III) SurTec 883 XT
L	82 to 85	83 to 85
a	-0.4 to -1.0	-0.5 to -0.8
b	-0.6 to -1.6	-0.5 to -1.5

Proven

The colour measurement done with Konica Minolta CM-700d shows the same colour values as hex-chrome plated surfaces.



The advantages at a glance

- Integration into existing lines possible
- Proven technology in global series production
- Similar hardness as chromium(VI) (750 - 830 HV 0,05)
- Excellent layer thickness distribution between 0.2 and 0.4 µm
- Suitable for mixed installations of chromium(VI) and chromium(III)
- Maximum plant utilisation thanks to high hanging factor
- Meets the highest requirements (including cyclic corrosion test)



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Applications



Automotive Exteriors



Automotive Interiors



Sanitary Industry



Furnitures



Shop Fittings



Household & Sports

SurTec offers a full range of decorative plating technologies for plating on steel, stainless steel, brass, plastics (ABS, PC+ABS, PA), aluminium and zinc die casting.

SurTec 883 XT compared to chromium(VI)

	Chromium(VI)	SurTec 883 XT
Metal Concentration	180 g/l	9 - 10 g/l
Waste Water Treatment	Separate handling necessary	Possible in existing line
Cooling	Yes, starting at 42 °C	Not necessary
Rectifier		Lower energy costs
Voltage	8 - 12 V	7 - 10 V
Current Density	8 - 12 A/dm ²	3 - 6 A/dm ²
Anode	Lead	MOX
Activation	Yes	Not necessary
Cleaning	Manually (lead)	Not necessary
Sludge	Hazardous waste (lead)	No sludge

SurTec/Metakem TCP Anode

- Longer service life
- Lower consumption of MOX
- Patented, specially developed for trivalent chrome applications



The SurTec 88X family offers a wide range of colours



SurTec 881
White Type



SurTec 883 XT
Hex-chrome
colour



SurTec 885
Dark Type



SurTec 888
Very dark Type

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