

ELECTROMETALIZADO DE PLÁSTICO

CLEANER

Characteristics	Process Name	Description / Key Features	Operation parameters	Ecology
Slightly alkaline	SILKEN CLEANER 201	For ABS, ABS/PC (<45% PC), PP and PA	2-5 min	
Solvent based	SILKEN CLEANER 202	For ABS/PC (>45% PC)	1-10 min	Contains gamma-butyrolactone
Additive for low Cr etching	SILKEN ETCH 301	For ABS, ABS/PC (<45% PC) and PP. Not for PA	2 – 30 min	Low Cr process
Wetting agent	SILKEN WET 302	Surface tension reducer for Cr etching baths		PFOS-free based
Wetting agent	SILKEN WET 303	Surface tension reducer for Cr etching baths		PFOS based
Wetting agent	SILKEN WET 322	Surface tension reducer for alkaline etching baths		PFOS-free based
Additive for etching PA	SILKEN ETCH PA 310	Non Cr etching for PA	5-15min	Cr(VI)-free

NEUTRALIZER

Characteristics	Process Name	Description / Key Features	Operation parameters	Ecology
Powder form	SILKEN NEUTRALIZER 401	Neutralizer after etching baths	2-5 min.	Non-corrosive, non-hazardous
Liquid form	SILKEN NEUTRALIZER 404	Neutralizer after etching baths	2-5 min	

CATALYST

Characteristics	Process Name	Description / Key Features	Operation parameters	Ecology
Pd/Sn colloids	SILKEN CATALYST 501	4 g/L Pd. Highly stable colloids	1.5-6 min	
Pd/Sn colloids	SILKEN CATALYST 502	2.65 g/L Pd. Highly stable colloids	1.5-6 min	
Sn(II) additive	SILKEN CATALYST SN	Stabilizer for Pd/Sn colloids baths		
Ionic Palladium for PA	SILKEN CATALYST PA 510	5g/L Pd. Ionic palladium	5-15min	

ACCELERATOR

Characteristics	Process Name	Description / Key Features	Operation parameters	Ecology
Powder form	SILKEN ACCELERATOR 601	No precipitates with hard water	2-5 min	
Liquid form	SILKEN ACCELERATOR 603	No precipitates with hard water	2-5 min	
Liquid form for PA	SILKEN ACCELERATOR PA 610	Only for PA	1-3min	

ELECTROLESS NICKEL

Characteristics	Process Name	Description / Key Features	Operation parameters	Ecology
Ammonia-based	SILKEN METAL 706	Highly stable EN	6-15 min	Lead free, Cadmium free RoHS compliant
Ammonia-based	SILKEN METAL 709	Highly stable EN	6-15 min	Lead free, Cadmium free RoHS compliant
Non Ammonia-based	SILKEN METAL 701	Highly stable EN	6-15 min	Lead free, Cadmium free RoHS compliant

RINSE AID

Characteristics	Process Name	Description / Key Features	Operation parameters	Ecology
Provides hydrophobic surface	SILKEN DRY 901	Accelerates the drying process Only used as a final finish step	1-3 min	
Provides hydrophobic surface	SILKEN DRY 902	Accelerates the drying process	1-3 min	