

Application Data Sheet



DESCRIPTION

TuttoChromaMe™ TC Series is a mirror coating system for technical and decorative applications, highly resistant on any kind of material surface finish rigid or plyable.

FEATURES

- 98% Spherical Reflectivity
- Abrasion & Chemical Resistant
- Fire retardant and fireproof
- Omniphobic- anti soiling
- Flexible and UV Resistant
- Premium Weatherability

TYPICAL USE

Industrial:

CSP (Concentrated Solar Power)
Automotive/Naval/Train interior and exterior trims and Body coating.
Tapware for bathrooms

Architectural:

Interior and Exterior decorative small to very large objects
Lightning applications
Flooring and ceramics



ChromaMe Nano Tech Srls

Distributed by Cyndux Integrated FZC
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EXTRACHROMAME® EC SERIES

Mirror Color Coating System

Key Characteristics

- *ExtraChromaMe™* Coating System produces a perfect mirror finish on any kind of surface. (metal, plastic, rubber, glass, ceramics, wood, leather, concrete etc.)
- It has a flawless shining chrome finish but it also feels just like real metal plating
- It has an excellent resistance to abrasion and UV light, temperature, and severe weather phenomena.
- The spray on coating system is a viable alternative to conventional electro chrome plating, PVD (Physical Vapor Deposition) and UV Photo-polymerization tech and meets the highest technical and decorative standards.
- *ExtraChromaMe™* is very simple to apply through a simple airless spray on application that simply requires conventional paint booth and use of a dedicated portable spray system machine and spray gun that can be supplied as an optional together with the coating paint set.
- It is highly recommended for very special technical applications such as mirrors with 98% reflectivity that require mechanical protection and high resistance to harsh desert (dust & sun rays) and sea environments (salt spray)
- The protection transparent top coat can be colored to achieve any decorative and creative results.

PRODUCT TC series	DESCRIPTION OF USE	Mix Ratio (weight)	APPEARANCE COLOR		COVERAGE (sq.m/l) DFT
PRIMER IC100B	Black primer tie coat applied on existing undercoat		Glossy	Black	
PRIMER IC100T	Transparent primer tie coat applied on existing undercoat		Glossy	Transparent	
TUTTOCATALYST IC80	Catalyst for PRIMER IC100B or PRIMER IC100T	80%	Glossy	Clear	
EXTRA-OXY X1	Anti oxidant emulsion for surface preapartion		n/a		
EXTRACHROMAME 2A	Concentrated sensitizing agent 1 stage chroming process	10%			20-25 sqm/l
EXTRACHROMAME BIDIWATER 2A	Double distilled water			straw yellow	
EXTRACHROMAME 4A	Concentrated product for chroming process 1 liter				
EXTRACHROMAME 4AB	Concentraed product tor chroming process 1 liter				
EXTRACHROMAME BIDIWATER 4A/4AB	Double distilled wate 23 liter	mix			
EXTRACHROMAME 5B	Concentrated product for chroming process 1 liter				
EXTRACHROMAME BIDIWATER 5B	Double distilled water 24 liter	mix			
CLEARTOP MT300	Ceramic Top Coating for all ChromaMe products		Glossy	Transparent	
CLEAR CATALYST MT936	Catalyst for to CLEARTOP MT300	50%	Glossy	Clear	
CME PIGMENT Green		0,5-1%			
CME PIGMENT Pink Gold		4-8%			
CME PIGMENT Black		1-2%			
CME PIGMENT Copper		1-2%			
CME PIGMENT Blue		8,0%			
CME PIGMENT Brown		5,0%			
CME PIGMENT Yellow		1,0%			

SCAN FOR APPLICATION HINTS

Date Issued 12 April 2022 rev_01

This Technical Data Sheet supersedes those previously issued.

The Technical Data Sheet (TDS) is recommended to be read in conjunction with the Safety Data Sheet (SDS)



Application Data Sheet

SERVICES

Technical Support

Is available on line 24/7
Tel: +39-3311699006
Email: support@chromame.it

Application Support

Live demo at
ChromaMe Italy
ChromaMe Dubai
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Commercial Inquiries

- Training
- Installation and setup
- On line support
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For more information on any of our products or services please visit us on the Web at:

www.chromame.it



Instructions for use

STEP		PROCESS DETAIL
BASE COAT	1A	a) NON ABSORBENT MATERIALS (ex steel, glass) -> Directly pass to priming step
	1B	b) ABSORBENT MATERIALS (ex. wood, concrete) -> Apply a best suitable commercially available Acrylic BASECOAT
PRIMER	2	Mask the parts not to be chromed by non absorbing paper or tape
	3	Uniformly apply PRIMER IC100B or PRIMER IC100T with a normal spray gun
	4	The primer IC100B is catalysed by spray application of EXTRA CATALYST LX with a 70% hardening effect
	5	Let dry at 55-60°C for 1 hours , for optimal results it is recomend to leave the parts rest at ambient temperature for 12 hours
	5	Let the coating dry in a clean ambient (dust less) and never touch the coated surfaces
CHROME	6	Apply with soft spray EXTRA-OXY X1 anti oxidant emulsion with hand trigger water bottle spayer
	7	Spray wash surfaces with double distilled water BIDIWATER 2A (0,001 microsiemens)
	8	Product preparation: add sentizing agent EXTRACHROMAME 2A to double distilled water in the extend of 10 grams per liter
	9	When coloring gets straw-yellow apply with normal spray gun (Pot life depending on temperature 2 -7 days)
	9	After EXTRACHROMAME 2A application wash surfaces thrughly and uniformly with BI-DISTILLED watrer
	10	Product preparation : Add EXTRACHROME 4A concentrated (1 liter) into the 23 l BIDIWATER 4A/4AB drum
		Product preparation : Add EXTRACHROME 4AB concentrated (1 liter) to the 24 l mix of 4A - Total 25 l 4A/4AB is ready for use
	11	Production preparation : Add EXTRACHROME 5B concentrated (1 liter) into the 24 l BIDIWATER 5B drum
	12	Make sure that the canisters of the machine are clean inside and that there is no left over products from previous cycles
	13	Spray machine filling and setting / Adjust air air presuure manometers see reccomended setting
	14	Apply TUTTOCHROMAME 4A/4AB & 5B with special BI-COMPONENT SPRAY GUN simultaneously with identical fluxes
		The application for high quality surfface must be executed from bottom to top
	15	Apply with soft spray EXTRA-OXY X1 anti oxidant emulsion with hand trigger water bottle spayer
	16	Spray wash surfaces with double distilled water (0,001 microsiemens salt content)
17	Dry carefully the surfaces with dry filtered compressed air Important Leave no liquid traces on the surface)	
18	Let dry at 55-60°C for 3 hours , for optimal results let at ambient temperature for 12 hours in a dust free clean room	
TOP COAT	19	Apply ceramic CLEARTOP MT300 coating + 50% CLEARCATALYST 936 with normal spray gun
	20	To achieve the classical silver color use the BLACK PIGMENT according to the specified ratio per liter
	21	COLOR PIGMENTS (GOLD ,BLU ,GREEN,RED) can be added to CLEARCOAT MT300/936 to achieve the desired tune
	22	It is advisable to apply a second layer of TOP COAT CLEARCOAT MT300/936 after color coating for a high quality finish
	23	Let dry at 40°C for 1 hour or about 24 hours at ambient temperature (20-25°C)



Pressure settings	Device	bars
Compressed Air	Compressor	4
EXTRACHROMAME 2A	tank	2
	gun	4
Water	gun	4
	tank	2
	gun	4



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RECCOMENDATIONS: Do not mix different chemical products other than what specified, stire with independent mix sticks and carefully avoid contamination Make sure that tank are very well cleaned and that there is no left over product inside from previous work cycles

CAUTION: This product is for professional use only. The applicators and operators shall be trained, experienced and have the capability and equipment to mix/stir and apply the coatings correctly and according to ChromaMe technical documentation. Applicators and operators shall use appropriate personal protection equipment when using this product.