

	Cromology Italia S.p.A.	ST: code MAX020453T
	Manoantica	
Technical datasheet		

This document contains the datasheets of the following products:

- Manoantica Classical Formula
- Manoantica Antiquing-effect Gel
- Manoantica Transparent

<b>Name</b>	<b>MANOANTICA "Classical Formula".Antiquing-effect</b>
<b>Description</b>	Anti-rust Antiquing-effect enamel for iron with a fluid formula.
<b>Main features</b>	<ul style="list-style-type: none"><li>- Contains micaceous iron oxide;</li><li>- Resistant to atmospheric agents;</li><li>- Available in both coarse and fine grain versions.</li></ul>
<b>Classification (UNI 8681)</b>	B4. A.0.B.2.A.AB Paint for finishing coat, in solution, single-component, with chemical oxidative drying, matt, with barrier-effect pigmentation, alkyl.
<b>VOC Classification (Directive 2004/42/EC)</b>	High-performance single-component paint EU Limit value of VOCs for Manoantica (cat. A/I): 500 g/L (2010). Manoantica contains max. 500 g/L of VOCs.
<b>Application cycle</b>	NEW IRON: mechanically remove any traces of rust or scale, wash the surface with a washing/degreasing thinner. Apply two coats of Manoantica 24 hours apart. VARNISHED IRON: remove any paint that is not attached or in the detaching phase. Fill the treated areas and sand down after drying to even out the surface. Apply two coats of Manoantica 24 hours apart.
<b>Helpful hints</b>	To enhance the metallic effect it is preferable to apply the last coat by spraying. Environment and substrate conditions: Ambient temperature: min. +5°C / max. +35°C.; relative humidity of the environment: also applicable in very humid environments; substrate temperature: min. +5°C/max. +35°C; dry substrate.
<b>Safety precautions</b>	<ul style="list-style-type: none"><li>• Close the container immediately after use.</li><li>• Store tightly closed, away from heat sources, frost and direct sunlight.</li><li>• The safety information for the user is contained in the relative safety datasheet</li><li>• Empty containers or containers with slight traces of residual dried product or film must be disposed of according to local regulations.</li></ul>

Characteristics and other technical information	Method	Main data at 20°C and 60% Relative Humidity.
Aspect and finish		Micaceous effect
Volume mass	UNI 8910	1.250 – 1.400 g/ml
Viscosity ISO Ø 8, s	UNI 8356	60 – 80
Theoretical yield per coat	7254 ISO	10 – 12 m <sup>2</sup> /litre
Recommended thickness Microns per coat	ASTM D 1186	Min. 70
Flash point	8909 UNI	≥ 21 °C
Shelf life (In a cool, dry place)	10154 UNI	At least 36 months
Dry-to-touch		Max 4 h
Dry in depth		Max 12 h
Painting over		After 24 h
Outdoors/Indoors		Yes/yes
Binder		Alkyl
Colours		Colour-card colours, intermediate to Tintometric system
Cleaning the instruments		Diluen Plus or Universal Synthetic Thinner
Diluent		Diluen Plus or Universal Synthetic Thinner
Roller application % in volume		Ready to use
Brush application % in volume		Ready to use
Air-spray application % in volume		With Universal Synthetic Thinner at Max. 10% Nozzle 1.2 – 1.9 mm Pressure 1.5 - 2.5 atm

This information is compiled on the basis of our best technical and application knowledge, but each recommendation and suggestion given is without any guarantee as the conditions of use are not under our direct control. In case of doubts It is always advisable to do some preliminary tests and/or ask for the intervention of our technicians.



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<b>Name</b>	<b>MANOANTICA t "Gel Formula".Antiquing-effect</b>
<b>Description</b>	anti-rust Antiquing-effect enamel for iron with a gel formula.
<b>Main features</b>	<ul style="list-style-type: none"> <li>- Contains micaceous iron oxide;</li> <li>- Resistant to atmospheric agents;</li> <li>- Available in both coarse and fine grain versions.</li> </ul>
<b>Classification (UNI 8681)</b>	B4. A.0.B.2.A.AB Paint for finishing coat, in solution, single-component, with chemical oxidative drying, matt, with barrier-effect pigmentation, alkyl.
<b>VOC Clasification (Directive 2004/42/EC)</b>	High-performance single-component paints EU Limit value of VOCs for Manoantica Gel Formula (cat. A/I): 500 g/L (2010). Manoantica contains max. 500 g/L of VOCs.
<b>Application cycle</b>	<p><b>NEW IRON:</b> mechanically remove any traces of rust or scale, clean and degrease the surfaces to be treated; outdoors, to increase the anti-corrosive power, we recommend applying one coat of MINIOMAX in advance, then apply two coats of MANOANTICA GEL 24 hours apart.</p> <p><b>DIFFICULT SUBSTRATES:</b> clean and degrease the surface to be treated, outdoors apply one coat of ZETAMAX primer to promote adhesion, proceed with the application of two coats of MANOANTICA GEL at least 24 hours apart. Apply two coats of MANOANTICA GEL 24 hours apart.</p> <p><b>ALREADY PAINTED IRON</b> Eliminate previous detaching paint and rust, degrease the substrate carefully. Apply the product directly without diluting. For outdoors it is preferable to apply a second coat at least 24 hours after the first one.</p>
<b>Helpful hints</b>	<p>Do not dilute</p> <p>If shaken, it is necessary to wait (about 15 minutes) to bring the product back to its original gel condition.</p> <p>Environment and substrate conditions:            Ambient temperature: min. +5°C / max. +35°C.;            relative humidity of the environment: also applicable in very humid environments; substrate temperature: min. +5°C/max. +35°C;            dry substrate.</p>
<b>Safety precautions</b>	<ul style="list-style-type: none"> <li>• Close the container immediately after use.</li> <li>• Store tightly closed, undiluted, away from heat sources, frost and direct sunlight.</li> <li>• The safety information for the user is contained in the relative safety datasheet</li> <li>• Empty containers or containers with slight traces of residual dried product or film must be disposed of according to local regulations.</li> </ul>

Characteristics and other technical information	Method	Main data at 20°C and 60% Relative Humidity.
Aspect and finish		Micaceous effect
Volume mass	8910 UNI	1.270 – 1.360 g/ml
Brookfield viscosity	ASTM D 2196	6000 – 12000 cPs Thixotropic
Theoretical yield per coat	7254 ISO	10 – 12 m <sup>2</sup> /litre
Recommended thickness Microns per coat	ASTM D 1186	Min. 70
Flash point °C	8909 UNI	≥ 21 °C
Shelf life (In a cool, dry place)	10154 UNI	At least 36 months
Dry-to-touch		Max 2 h
Dry in depth		Max 12 h
Painting over		After 24 h
Outdoors/Indoors		Yes/yes
Binder		Alkyl
Colours		Colour-card colours, intermediate to tintometric system
Cleaning the instruments		Diluen Plus or Universal Synthetic Thinner
Roller application % in volume		Ready to use
Brush application % in volume		Ready to use

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<b>Name</b>	<b>MANOANTICA Transparent</b>
<b>Description</b>	Transparent urethane paint for outdoors and indoors.
<b>Main features</b>	Protects the surface and enhances the antiquing and micalescent iron effect of Manoantica Antiquing-effect .
<b>Classification (UNI 8681)</b>	B4. A.O.B.2.A.AB Paint for finishing layer, in solution, single-component, clinical oxidative drying, glossy, urethane alkyl.
<b>VOC Classification (Directive 2004/42/EC)</b>	EU Limit value of VOCs for Manoantica transparent (cat. A/I): 400 g/L (2010). Manoantica contains max. 400 g/L of VOCs.
<b>Application cycle</b>	Apply one or two coats on surfaces already painted at least 24 hours previously with Manoantica Antiquing-effect .
<b>Helpful hints</b>	Environment and base conditions: Ambient temperature: min. +5°C / max. +35°C.; relative humidity of the environment: also applicable in very humid environments; substrate temperature: min. +5°C/max. +35°C; dry substrate.
<b>Safety precautions</b>	<ul style="list-style-type: none"><li>• Store the container tightly sealed, in a cool place and away from heat sources.</li><li>• The information for the user is contained in the relative safety datasheet.</li><li>• Empty containers or containers with slight traces of residual dried product or film must be disposed of according to local regulations.</li></ul>

Characteristics and other technical information	Method	Main data at 20°C and 60% Relative Humidity.
Aspect and finish		Semi-gloss
Volume mass	8910 UNI	0.930 – 0.970 g/ml
Viscosity ISO Ø 6, s	8356 UNI	50 – 80
Theoretical yield per coat\	7254 ISO	10 – 12 m <sup>2</sup> /litre
Recommended dry thickness micron per coat	ASTM D 1186	20 – 30
Flash point	8909 UNI	≥ 21 °C
Shelf life (In a cool, dry place)	10154 UNI	At least 36 months
Dry-to-touch		Max 2 h
Dry in depth		Max 10 h
Painting over		After 24 h
Outdoors/Indoors		Yes/yes
Colours		transparent
Binder		Urethane alkyl
Cleaning the instruments		Diluent Max / Dil. Plus
Roller application % in volume		Ready to use
Brush application % in volume		Ready to use

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