

TECHNICAL INFORMATION

KLASS SINGLE STAGE MATIZADO

Automotive Coating

509-31700-000



DESCRIPTION



Two-part monolayer automotive finish with excellent resistance to ultraviolet radiation, high gloss and good hiding power, ideal to be applied on work vehicles exposed to severe conditions. Vehicles coated with this finish will have a much better protection than offered by a common polyurethane. It can be mixed with Klass Agente Mateante MS for a matte or satin finish.



Containers

Unlimited

Available Colors

Unlimited

SURFACE PREPARATION



Before application, surface must be free of dust, grease, oil, waxes, or any other contaminants that can affect product adherence



SUBSTRATE

FIRST CLEANING

SANDING

**AFTER
CLEANING**

**ADHERENCE
ENHANCER**

Iron

330 - 900

180-220/P180-
P220

330 - 900

Klass Etching Primer



Aluminum

330 - 900

180-220/P180-
P220

330 - 900

Klass Etching Primer

Galvanized Steel

330 - 900

Gray Fiber

330 - 900

Klass Etching Primer

OEM Finish

330 - 900

220-320/P220-
P400

330 - 900

Klass Primer Filler 3 +
1

Replacement Part

330 - 900

Gray Sponge

325 - 900

Klass Primer Filler 3 +
1

Paintable Plastic

N/A

Red Fiber

N/A

Klass Plastic Primer

COMPONENTS AND MIXING RATIOS



For a glossy finish use a mixture ratio of [2:1:10%].

For lower gloss finishes:

a) use a [4:1:2] mixing ratio and,

b) before catalyzing, Klass Single Stage 31700-000 should be mixed with 31300-013 Klass Agente Mateante MS in the following ratios: for a matte finish 1:1 (equal parts of 31700 and 31300) and, for a satin finish 2:1 (100 parts of 31700: 50 parts of 31300).

Add only the recommended components.

Use KLASS measuring rule for a correct mix.



MIXING RATIO

HARDENER

DILUENT

Product 100 Parts

778-900

477-900



Hardener 25 Parts

@ 20°C 777-900

@ 20°C or less 476-900

Diluent 50 Parts

Mix ratio 4:1:2

These technical data were calculated under controlled laboratory conditions, but SUR QUIMICA has no control over conditions, tools, applicator skills, selection, preparation, or compatibility of products used; therefore, can only guarantee this product quality, its features and qualities' suitability, but is not responsible for the results obtained in conditions impossible to check once the job has been done. SUR QUIMICA has made reasonable efforts to ensure the accuracy of the information provided here, but assumes no responsibility for any error, omission, or inaccuracy in it. If there is any inconsistency between different language issues of this document, Spanish version will prevail.

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Application Viscosity

20 - 22 seconds,
DIN Cup #4

Pot Life: 1.5 hours @ 25°C

APPLICATION EQUIPMENT



For better results, use recommended nozzle size and pressure.



| Air Spray | Nozzle | Pressure (PSI) |
|---------------------------|--------------|----------------------|
| Conventional Suction Feed | 1.3 - 1.4 mm | 45 - 50 |
| Standard Gravity Feed | 1.3 - 1.4 mm | 40 - 45 |
| Gravity Feed HVLP | 1.3 mm | 50 input (10 output) |

Follow equipment manufacturer's recommendations and test before application.

PRODUCT APPLICATION



| Number of coats | Time Between Coats | Dry Film Thickness |
|-----------------|--------------------|--------------------|
| 2 - 3 | 10 minutes | 2.0 -2.5 mils |



Comments: Respect curing time between coats and do not exceed recommended thickness.

Drying Times



Data measured at 20°C (68°F).



| Drying | TIME | Forced drying | TIME |
|-------------------------|------------|----------------------|------|
| Dust dry | 7 min | Oven @ 60°C: | N/A |
| Touch Dry | 45 minutes | Medium wave infrared | N/A |
| Dry-to-sand | 12 hours | Short wave infrared | N/A |
| Before the next product | N/A | | |
| Dry to retouch | 12 hours | | |
| Dry to polish | 12 hours | | |

SANDING



| SANDING METHOD | # GRIT | FEPA GRIT |
|--------------------|-----------------------------|-----------|
| Wet sand by hand | 2000 * | N/A |
| Dry sand by hand | N/A | N/A |
| Power sanding, dry | 1500 (with interfase pad) * | N/A |

* Sand only in case of contamination or "orange peel", for wet sanding, lube sandpaper before use

OBSERVATIONS

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Do not exceed the film thickness recommended under APPLICATION.
To apply this product on flexible parts, add KLASS Flexible Additive 31300-015 (see data sheet).
In case of contamination or mild "orange peel", use wet #2000 grit sandpaper with soft back or dry #1500 grit with interface pad.

STORAGE, HEALTH AND SAFETY



Keep this product stored for a short period, in dry environment, between 50°F and 95°F.
Read and understand all safety instructions on label.



Never add other components than those indicated on this sheet. Doing so may affect its performance and voids all warranties.



If you need more information, check our website <https://www.gruposur.com/asistencia/>

This is a professional/industrial product and it should be applied by properly trained personnel, wearing appropriate Personal Protection Equipment (PPE), as described in its Safety data Sheet (MSDS), available at <http://www.gruposur.com>

Do not use this product near sources of ignition, such as sparks or equipment with high temperatures.
Do not smoke during use. Use in a well aired area.

- Dispose of waste in accordance with local laws and regulations.

If you need to dispose of empty containers of our products in Costa Rica, contact your SUR Color paint store or our industrial compound in La Uruca, San Jose.

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