1961 ACRIL-COAT DUO OPACO

TWO-COMPONENT MATTE ACRYLIC CLEAR-COAT

Two-component

See warnings

Spray

Advantages

→ Used both as converter and as clear coat

Description and Use

Two-component acrylic product which, combined with aliphatic isocyanates, produces a non-yellowing film with excellent chemical resistance and good abrasion resistance.
Designed for use on furnishing accessories and objects, metals, light alloys and on the most common plastics (PVC, ABS, PLEXIGLASS), for interiors and exteriors. The addition of GLASS GRIP ADDITIVE cod. 1901 allows the application of the product on glass supports. If used for outdoor structures, add 2% of 1869 ADDITIVO ANTI UV before application.
It can be coloured using the ADVANCE HT tinting system.

Substrate preparation

METALS AND LIGHT ALLOYS:

- Thorough cleaning of the substrate by degreasing the surface using DILUENTE PER NITRO ANTINEBBIA nitro thinner, P/N 1616. If necessary, roughen the surface with an abrasive sponge, followed by thorough cleaning with solvents.

PLASTICS:

- Cleaning and degreasing with ANTISILICONE code 1618.

GLASS:

- The substrate must be perfectly cleaned using suitable products, the surface must be dry and free of chemical residues.

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Application

Application method:
- spray application: nozzle Ø 1.2-1.4 mm and pressure of 2.0-2.5 bar

Product preparation:
Shake weel the can before use.
Add the hardener and thinner in the ratio specified below, depending on the application. Mix until the mixture is completely uniform.

	By weight	
	Use as clear coat	Use as converter
PRODUCT 1961 ACRIL-COAT DUO OPACO	100	100
HARDENER 4300 INDURITORE STANDARD HS or 4100 INDURITORE SLOW HS	25	25
THINNER 1653 DILUENTE PER ACRILICI or 1624 DILUENTE LENTO UNIVERSALE IND	10-20	10-20

Preparation of the product for applications on glass	By weight	By weight
	Use as clear coat	Use as converter
PRODUCT 1961 ACRIL-COAT DUO OPACO	100	100
HARDENER 4300 INDURITORE STANDARD HS or 4100 INDURITORE SLOW HS	25	25
ADDITIVE 1901 ADDITIVO AGGRAPPANTE PER VETRO	10	10
THINNER 1653 DILUENTE PER ACRILICI or 1624 DILUENTE LENTO UNIVERSALE IND	0-10	0-10

How to prepare intermediate matte finishes:
To obtain intermediate matte finishes, product 1960 can be mixed with ACRIL-COAT DUO LUCIDO P/N 1960, as shown in the following table:

CLEAR INTERMEDIATE MATTE FINISH			
1961 ACRIL-COAT DUO OPACO	1960 ACRIL-COAT DUO LUCIDO	4300 INDURITORE STANDARD HS	gloss
50 g	50 g	25 g	~ 50 GU
75 g	25 g	25 g	~ 20 GU

Storage life

If stored in a cool, dry place, away from sources of heat and sheltered from sunlight, in its sealed original packaging, the product has a shelf life of 24 months. Check the product's shelf life by referring to the production batch number shown on the packaging. The batch number is made of eight numeric characters in which the first four digits identify the year and month of production. Once the product has expired, it must be disposed of in accordance with the current legislation.

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Technical features

Colour	transparent
Binder	acrylic resins/isocyanate
Gloss	5-15 gloss (Gardner 60°)
Pot-life	90 minutes at 20°C. At higher temperatures, pot life decreases
Specific weight **	0.93-0.97 kg/l
Viscosity **	40-50 seconds ISO-DIN Cup 6
Recommended thicknesses	30-40 µm dry film, with two crossed coats
Practical cover rate *	6-7 m²/kg (2 strati)
Air drying (20°C - 65% RH)	30 minutes, dust-free
	3-6 hours, dry to touch
	24 hours, through drying
Maximum chemical resistance	after 7 days
* The cover rate is calculated on the suggested thickness and applied on plane and regular surfaces.	
** May change according to the colour.	
The data are measured at a temperature of 20°C.	

TRIAL	REFERENCE		RESULTS
Resistance to acid sweat pH 5.5	UNI EN ISO 2812-4		No alteration after 50 h of continuous contact
Alkaline sweat resistance pH 8.0	UNI EN ISO 2812-4		No alteration after 50 h of continuous contact
Stain resistance	UNI EN ISO 2812-4_ | r | _continuous contact for 24h	Sodium hypochlorite 7%	No alteration
		Ammonia 15%	Slight alteration, perceptible
		Acetic acid 10%	Moderate alteration, clearly perceptible
		Citric acid 10%	No alteration
		Coke	No alteration
		Liquid detergent	No alteration
Solvent resistance	The film is subjected to repeated rubbing for 100 passes or 50 cycles (each cycle corresponds to a complete back and forth movement) with a cotton swab soaked in pure ethyl alcohol.		No alteration
Adhesion	UNI EN ISO 2409	Iron	0
		Aluminum	0
		Copper	0
		Brass	0
		PVC	0
		PC	0
		ABS	0
Hardness in pencil	UNI 10782		4H

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Warnings

- The product contains synthetic polymer microparticles (SPM).
- **INSTRUCTIONS TO PREVENT THE RELEASE OF SYNTHETIC POLYMER MICROPARTICLES INTO THE ENVIRONMENT**
- **In accordance with Regulation (EU) 2023/2055, please follow the procedures below to prevent environmental release.**
- During use and application, avoid accidental release of the product onto soil, into drains, or household wastewater. Apply the product only to the surfaces to be treated.
- Any remaining product should be stored by tightly sealing the original container. Dispose of the product/container in accordance with national regulations.
- If you wish to reuse the tools used for application, follow these steps to clean them in an environmentally responsible manner.
- The water, solvents or thinners used for cleaning tools, as well as any product residues, MUST NOT be released into the environment or poured down domestic drains.
- Remove as much product as possible from the tools used.
- Soak the tools in hot water or in solvent for at least a couple of hours, then remove them from the container.
- Allow the water in the bucket to evaporate and let the tools dry. For solvent-based products, close the container. Do not release the product into the environment and do not pour it into drains.
- Deliver the container with any remaining product / wash water / solvent / cleaning thinner to an authorised waste collection centre, in accordance with national regulations.
- THE MATTE FINISH OF THE FILM MAY VARY ACCORDING TO THE SUPPORT AND THE THICKNESS APPLIED: THICKER FILMS WILL HAVE A GLOSSIER APPEARANCE.
- It is advisable to verify the desired opacity through preliminary tests.
- Catalysis must be as precise as possible, using scales to divide the packs.
- Do not use the product more than 90 minutes after preparing the mixture, otherwise the mechanical characteristics will be seriously compromised, with possible cracks, detachment and stains.
- Do not use at ambient temperatures below + 5°C and above + 40°C
- These products must only be applied after careful evaluation of the quality of the substrate by our Technical Service.
- Exclusively for use not restricted from Directive 2004/42/EC.
- For industrial use only.
- Always refer to the safety data sheet for the relevant products.
- Solvents or thinners used for cleaning tools, as well as any product residues, must not be released into the environment or poured down domestic drains. The recipient/product/thinner or cleaning solvent must be disposed of in accordance with national regulations.
- It is recommended to acquire all the material required to finish the work of the same batch.
- The information provided on this technical datasheet is based on our technical and practical knowledge and experience. The technical data refer to the average characteristics of the basic product and are determined under controlled laboratory conditions. The variability of the raw materials available on the market and the tinting of the product can lead to slight deviations in the declared values, in the colour and in the aesthetic effects obtained. It is therefore necessary for the purchaser/user to personally verify, before application, the suitability of the product for the intended use, in particular when different batch numbers of the same material are used in the same work/site.

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