

DULUX DUCO SPRAY

TECHNICAL DATA SHEET

Version 04 – 2020 SEPTEMBER

THIS ISSUE SUPERSEDES ALL PREVIOUS PUBLICATIONS

PRODUCT DESCRIPTION

A solvent based toluene-free, superior quality, versatile, non-fading, general purpose, quick dry base paint for manufacturing aerosol spray coatings for general use in everyday domestic, industrial and factory applications.

PRODUCT USES

- **Ducospray** - Particularly recommended for objects which are difficult to paint by brush e.g. baskets, and wherever a professional finish is required.
- **Ducospray Heat Resistant** – Designed to be used on grills, stoves, braais, engine parts and fin heaters up to 400°C.

FEATURES AND BENEFITS

- Rapid dry - second coats can be applied after 30 minutes.
- Superb appearance and excellent durability.
- Extremely easy to use.
- Excellent cover

PRODUCT INFORMATION

Appearance	Available in gloss, metallic, fluorescent, heat resistant and matt finishes.
Colour	Available in a range of popular colours. A grey Ducospray General Purpose Primer is available for porous or uneven wooden or mild steel alloy surfaces, and a non-tarnishing Ducospray Clear Lacquer is recommended for the protection of polished brass, aluminium, and other bright work. Ducospray Clear Lacquer can also be used directly to correctly prepared mild steel alloys and wood
Binder Types	Nitrocellulose and Alkyd Acrylic (Fluorescent and Metallics) Silicone (Heat Resistant)
Density at 23°C	Approx. 0.95-0.99
Solids Content	By weight: Approx. 15 – 30%
Packaged Viscosity	Viscosity at 23°C (Ready to Gas): 16 – 18 Ford 4 Cup
Spreading Rate	Approx. 2m ² per can depending on surface porosity and Film thickness
Recommended DFT per coat	Min. 25µm. up to 100µm.
Flash Point	Approximately 0°C. This product is HIGHLY FLAMMABLE .

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APPLICATION INFORMATION

Shaking before application	Before use, shake the can vigorously for at least 2 minutes. The mixing balls within the container must move about freely. If necessary, strike the can against the palm of the hand to free the mixing balls lodged at the bottom of the can. (There is also a danger of pigment blocking the uptake tube in the can and interfering with the spraying properties.) Note: Duco Spray Clear Lacquer (Product Code 5148197) does not contain mixing balls. It is very important to shake the can for at least 2 minutes otherwise this lacquer will not produce satisfactory application and gloss properties.
Application Surface conditions	Surface Temperature between 10 - 35°C. Relative Humidity between 10 - 85 % OR 2°C above dew point minimum. N.B. Do not spray in wet or damp weather as this can cause the paint film to “blush” and give an irregular matt appearance.
Application methods	To spray the substrate, remove the cap and point the nozzle in front of the actuator towards the object to be sprayed. Paint is released from the can by pressing the forefinger down on the actuator head. For a professional finish hold the nozzle 30 to 40 cm away from the surface, spray in even, smooth horizontal strokes moving the hand from side to side, overlap each stroke slightly. Apply several thin/light coats, allowing the surface to dry after each coat. Too heavy a coat, in one application will give rise to runs and sags. Note: Inexperienced operators should practice on scrap surfaces first to get the “feel” of spraying.
Drying Time	Touch dry 15 to 30 minutes at 23°C. Heat Resistant cures at temperatures above 80°C
Recoating Time	30 minutes at 23°C (Drying times will be extended during cold, wet or humid conditions.)
Cleaning of equipment	To clean the nozzle after each spraying session, turn the can upside down (point the nozzle in a safe direction) and press the valve for 20 seconds until only gas is emitted. Wipe the nozzle clean with a clean cloth before replacing the cap and storing away. To clean up or remove uncured Ducospray from a surface, use Lacquer Thinners.

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APPLICATION INFORMATION

Substrates	Wood, mild steel alloys and any object that is difficult to paint by brush, such as baskets etc.
Precautions:	Faulty Actuator: The actuator may be pulled off the male section of the valve and replaced if necessary. Always ensure that the nozzle in front of the actuator is pointing away from the body when replacing the actuator. Ducospray Heat Resistant colours (Black and Aluminium) should be sprayed thinly, i.e. only just sufficient to obliterate the substrate. primer is NOT recommended, except in very corrosive conditions. When correctly applied, they will resist dry heat of 400°C.

SURFACE PREPARATION

Ensure that surfaces are sound, clean, dry, and free from rust, oil, loose flakes or dust.

Ducospray Metallic, Matt, Gloss and Florescent finish

NEW SURFACES

- Prime new mild steel alloys or wooden surfaces with **Ducospray General Purpose Primer**, allow drying for 30 minutes, sand lightly to a smooth surface profile, and clean away sanding dust before applying finishing coats.
- Aluminium surface needs to be sanded lightly before cleaning xylene or benzene
- It is recommended that Aluminium surfaces also be primed before application with Ducospray General Purpose Primer before applying Ducospray Metallic, Matt, Gloss and Florescent finish

PREVIOUSLY PAINTED SURFACES

- To remove dirt, grease and wax from previously painted surfaces except wood, they should be washed with water containing a liquid detergent and NOT sanded. Sanding can cause the strong lacquer solvents in **Ducospray** to penetrate the surface and cause lifting.
- Checked **Ducospray** for compatibility to the previously painted surface by spraying a small area before applying **Ducospray** to the entire surface.
- Ensure surfaces are thoroughly dry

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SURFACE PREPARATION

Ducospray Heat Resistant

NEW SURFACES & PREVIOUSLY HEAT RESISTANT PAINTED SURFACES

- New mild steel alloys, prepare and apply directly, aluminium surface needs to be sanded lightly before cleaning xylene or benzine
- To remove dirt, grease and wax from previously painted surfaces, they should be washed with water containing a liquid detergent and NOT sanded. Allow to dry before application. Sanding can cause the strong lacquer solvents in **Ducospray Heat Resistant** to penetrate the surface and cause lifting.
- Checked **Ducospray Heat Resistant** for compatibility to the previously painted surface by spraying a small area before applying **Ducospray Heat Resistant** to the entire surface.
- After spraying, bake article at 80°C for 12 minutes to allow cross linking.

HEALTH AND SAFETY INFORMATION

Ensure good ventilation during application and drying. If exposure cannot be avoided by the provision of local exhaust ventilation, suitable respiratory protective equipment should be used. Do not smoke while spraying or spray on open flame or near fire. Never puncture or burn the can. Even when it is empty, it is still under pressure.

This product contains no added lead. Avoid contact with skin or eyes. If accidentally swallowed, seek medical advice immediately and show this container to the doctor.

Keep out of reach of children. Adult supervision required when used by children.

Dry sanding, flame cutting and/or welding of the dry paint film will give rise to dust and/or hazardous fumes. Do not empty into drains or watercourses.

To avoid the risk of spillage, always store and transport containers below 50°C away from heat and sunlight in a secure upright position. Contents under pressure

Refer to Material Safety Data Sheet for complete information.

ADDITIONAL INFORMATION

Packaging	300ml
Storage Conditions	Store and transport containers in a secure upright position, under cool (5°C-35°C) dry and frost-proof conditions away from direct sunlight, heat and extreme cold.
Shelf Life	24 Months
Disclaimers	Colour references are as accurate as modern printing will allow. Please refer to the in-store stripe cards/ standard card, or on-shelf colour displays for an accurate representation of the colour.

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ADDITIONAL INFORMATION

Disclaimers

Among others, the following factors may affect final colour appearance: product sheen and texture, colour and light reflections, application, surface texture and preparation. For best colour and sheen consistency, it is advisable to use containers of the same batch number, or to finish in a corner before starting a new container.

TDS STANDARD DISCLAIMER

The recommendations contained herein are given in good faith and meant to guide the specifier or user in accordance with good painting practices. They are gained from our tests and experiences and are believed to be accurate and reliable. No warranty/guarantee is implied by the recommendations contained herein since the conditions of use; application method, substrate and cleanliness of the substrate are beyond Dulux control.

Important Note; Technology may change with time, necessitating changes to this Technical Data Sheet (TDS).

It is the responsibility of the user to ensure that the latest TDS is being used for reference. Dulux Technical Data Sheets are available on our website www.dulux.co.za or please contact: Dulux On-Line on 0860 330 111. Email ZA.Helpline@akzonobel.com

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