



TECHNICAL NOTICE

CARBON POLYURETHANE VARNISH HS 2:1

Usage description:

Two-component acrylic polyurethane varnish suitable for use on Anjodur Polyester and Anjomix Polyester for general or partial painting or touch-ups in automotive vehicles. It has excellent resistance to weathering, solidity and excellent gloss retention.

Composition:

Acrylic resin, organic solvents and additives.

Supply packaging:

Available in 900 mL and 5L packages.

Basic information:

Specific weight: 0.95-0.99 g/cm³

Expiration: 60 months

VOC: 505.10 g/L

Catalysis and/or Dilution:**For Temperatures below 20°C**

2 parts, by volume, of CARBON POLYURETHANE VARNISH HS 2:1

1 part by volume of Catalyst for Polyurethane and Polyurethane Varnish HS CT0116

10-20% of Carbon Thinner for Polyurethane TH5002

For Temperatures between 20-30°C

2 parts, by volume, of CARBON POLYURETHANE VARNISH HS 2:1

1 part by volume of Catalyst for Polyurethane and Polyurethane Varnish HS CT0117

10-20% of Carbon Thinner for Polyurethane TH5003

For temperatures above 30°C

2 parts, by volume, of CARBON POLYURETHANE VARNISH HS 2:1

1 part by volume of Catalyst for Polyurethane and Polyurethane Varnish HS CT0118

10-20% of Carbon Thinner for Polyurethane TH5004

Note:

- ❖ The pot life of the mixture is 2 hours at a temperature of 25°C and at 60% relative humidity. For temperatures other than those mentioned, the value established above tends to be different from the specification.

Surface preparation:

Before applying the varnish, clean the surface to be painted, removing loose parts, rust and oiliness. On surfaces that require repairs, do so using Anjo polyester spackling putties. Then, use Anjo Polyurethane Primer. Sand the primer after complete drying, with 400 or 600 grain sandpaper. Clean with Anjo Degreaser Solution and apply Anjodur Polyester or Anjomix Polyester paint. Wait for the paint to dry (10 – 20 minutes) and apply the varnish.

We recommend using a dust cloth before applying the varnish.

Application:

Adjust the spray gun pressure from 40 to 50 lb/in². Apply 2 to 4 coats with an interval of 5 to 10 minutes between coats.

Recommended nozzle: 1.3 to 1.4 mm.

Before application, make sure that the equipment and its components are clean and decontaminated.

Purge the compressed air line to prevent contamination.

After the product is catalyzed, if stops occur during application and the pot life of the mixture is exceeded, it cannot be diluted again for later application.

During application, overlap 50% of each spray gun coat on the previous layer to avoid uncovered areas. Finish with a cross coat.

Note:

- ❖ Do not apply with humidity above 80%
- ❖ Do not let the catalyzed product remain in contact with hoses, spray guns and equipment used in the application;
- ❖ Clean all equipment used after application;

Drying:

In air at 25°C:

Dust free: 10 minutes

Handling 2 - 3 hours

Final 24 hours

After drying for 24 hours, polishing is recommended, which can be done manually or with a polisher.

In an oven at 60°C

30 – 45 Minutes

Note:

- ❖ As it is a chemical reaction curing product, curing may be delayed at low temperatures. A minimum temperature of 15°C must be ensured during curing.

Safety recommendations:

Before handling this product, it is essential to carefully read all the information contained in its material safety data sheet (MSDS), available on our website or request it directly from our Customer Service (0800 487 777).

Surface preparation, handling and use of paint during painting and drying, since these are flammable products, must be carried out in ventilated spaces, away from flames, sparks or excessive heat, using the personal protective equipment (PPE) appropriate for the step to be performed. Contact with the skin can cause irritation.

If ingested, do not induce vomiting. In case of contact with eyes, rinse thoroughly with water. In either case, seek medical attention immediately.

Do not smoke in the work area.

Make sure that the electrical installations are perfect and do not produce sparks.

Do not use thinner to clean the skin, hands or other parts of the body. To clean hands use alcohol, then wash with water and appropriate cleaning pastes.

In case of fire, use CO₂ or chemical powder extinguishers. It is not recommended to use water to extinguish the fire produced by burning paint.

The storage of paints and thinners must be done in ventilated places and protected from weathering. The temperature can range from 10 to 40°C.

If symptoms of intoxication occur due to the inhaling of chemical vapors, the intoxicated person must be immediately removed from the workplace to ventilated areas.

In case of fainting, call a doctor immediately.

Product intended for use and handling by professionals connected to the painting industry.

The application and use of this product must be carried out in accordance with all National Health, Safety and Environmental standards and regulations.

If it is necessary to remove the already applied and hardened paint from the substrate, the operator and individuals in the same environment must use the appropriate personal protective equipment (PPE) as indicated in the material safety data sheet (MSDS).

Comments:

The spreading rate of this product in practice will vary according to the thickness applied, method and application technique, the type and roughness of the substrate and environmental conditions, etc.

The values found for the drying tests were obtained in the laboratory at a temperature of 25°C and at 60% relative humidity. In temperatures other than those mentioned, the values established above tend to be different from those specified.

The instructions contained in these specifications are based on our experience and technical knowledge; however, some factors are beyond our control as a manufacturer, such as: surface preparation, application, working conditions, etc.

The use of Thinners and Catalysts other than those specified without prior approval from Anjo may affect product performance and void product warranty.

We take no responsibility for material and personal damage caused by the misuse of the information contained in these specifications and of the products mentioned.

These specifications are subject to change without prior notice.