

ZEROPAINTS

2 Pack Clearcoat System Application Guide



Introduction

For this guide we are using the Diamond 2K clearcoat system (ZP-3035), but the same principals apply to the Standard 2K (ZP-3006), Matt (ZP-3012) and Semi-Gloss (ZP-3031) systems, but check the mixing ratios on the box, as they do vary between the products.

Contents:

100ml Clearcoat (High Solid)
60ml Thinners
60ml Hardener

Health and Safety

First lets cover the safety precautions

This products contains isocyanates, the possible dangers are that vapour and spray mists are harmful. Overspray may cause lung damage.

May cause allergic skin and respiratory reaction. May affect the brain or nervous system causing dizziness, headache or nausea.

May cause eye, skin, nose and throat irritation. So please download the safety working with isocyanate PDF, before purchasing or using and read it fully.

(<http://zero-paints.co.uk/pdf/isocyanate.pdf>) in saying that, painting models uses such a small amount, this should not be a problem.

Preparation:

Ensure the body is free from dust and any other particles. It is recommended to use a tack cloth to wipe down before starting.

Mixing :

[2 pack] 2K means 2 parts are mixed together, in this case the clear and the hardener starting a chemical reaction so, only Mix the quantity you require each time (figure 2), it can't be used after about 30 – 45 minutes. We found we can easily clear coat a 1:24 car body with about 15ml or less of the mixed product. Mixing ratio: 100 parts clear to 50 parts hardener + 10% thinners e.g. 10ml clear to 5ml clear and 2ml thinners. It is recommended to use an airbrush with a 0.3mm nozzle or greater,

The following timing are based on an ambient temperature of 20 deg C (68 deg f)

Fill your airbrush bottle or cup with the mixed clear coat and apply a light MIST (tack coat) to the whole body, now leave this for approx 5 minutes, now start applying a wet coat ensuring an even coverage of the whole body. Apply a second wet coat if required. Leave over night to fully harden, if you find any dust or blemishes in the finish, wait until dry and remove with a fine abrasive paper etc. then apply another coat to the area.

Drying times :

Air-drying at 20 deg C, Dust free: 30 minutes, Tack free: 10 – 12 hours, Thoroughly dry: 24 hours - Can be polished after 24 hours at 20 deg C

Applying Over Decals :

Apply your tack coat and let it fully dry, apply your decals to the model let these fully dry (1/2 days) then apply another tack coat and follow with the wet coats as usual.

We have testing our 2 pack clear coat over most brands (Tamiya, Fujimi, Aoshima and Catograf etc.) of decals without any problems. It is advisable to do a test over other manufacturers decals before commencing work.



PLEASE READ BEFORE USE :

Harmful by inhalation. Irritating to eyes. Keep away from sources of ignition. NO SMOKING. Avoid contact with skin and eyes. In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. Wear suitable gloves. Use in a well ventilated area. Keep out of reach of children. For full Health and Safety details please download the Safety Data Sheets from www.zero-paints.com



Zero Paints (UK) Limited
Unit 61 Basepoint Business Center
Tewkesbury, GL20 8SD. England
www.zero-paints.com