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TECHNICAL DATA SHEET

REV.5 30/09/2026

SPOT ON 2
CLEAR COATING FOR POLYCARBONATE HEADLIGHTS

DEFINITION

Special two-component UHS topcoat with excellent resistance and adhesion properties on plastic materials based on polycarbonate, such as automotive headlight lenses, synthetic glass (as long as it is polycarbonate), transparent plastic components for marine applications, etc. It offers outstanding flow characteristics and UV protection for the polycarbonate itself.
The raw materials used ensure good adhesion to polycarbonate without compromising its mechanical strength (e.g. cracking), and protect it from the inevitable yellowing and subsequent degradation caused by the breakdown of the original UV protection, which typically occurs after the first five years.
The special two-component formula, combined with the innovative KOVAX sanding system, makes it possible to restore even deeply scratched or scored plastic parts, as long as they are not broken, according to the procedures described below.
VOC content < 420 g/L

CHARACTERISTICS

Spot On 2 Clear (A) – CODE 15510NG:

- Density: 1.01 ± 0.02 g/cm^3
- Colour: transparent
- Solid content: 68% ± 2
- Viscosity (DIN 4 mm at 20°C): 15 ± 1 sec

Spot On 2 Catalyst (B) – CODE 15520NG:

- Density: 1.00 ± 0.02 g/cm^3
- Colour: transparent
- Solid content: 47.2% ± 2

Ready-to-use product:

- Chemical nature: polyaspartic
- Solid content: 58% ± 2
- Viscosity (DIN 4 mm at 20°C): 13 ± 1 sec

The effectiveness of our products is based on practical experiences and research work carried out in our laboratories; nevertheless we accept no liability for work carried out following our instructions being clear that the final result depends in all cases on a series of unforeseeable factors.

* For any information about product codes or packs, please see our catalogue, our price list or contact us.

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SUBSTRATE PREPARATION

Suitable for use on:

- Automotive headlight lenses
- Synthetic glass (as long as it is polycarbonate)
- Transparent plastic components for marine applications

Degrease the surface using No-Sil Aqua antisilicone cleaner and a Hitex 4000 cloth.
Sand the surface according to the following cases:

- **Vandalism – deep scratches:**
  Start sanding with GARUDA P240 and continue with GARUDA P320.
  Then proceed with: Maxfilm P400, Maxfilm P600,Superassilex Lemon (P800) or Superassilex Green (P1000).
- **Dulling – Yellowing – Aging or chalking:**
  Start sanding with GARUDA P320, then continue with: Maxfilm P400, Maxfilm P600, Superassilex Lemon (P800) or Superassilex Green(P1000).

Note: For deeper scratches, use coarser grits (e.g. GARUDA P180). It is important to completely remove the old protective film from the lens.
Clean the surface of sanding residues using No-Sil Aqua antisilicone cleaner and a Hitex 4000 cloth.

Before application, it is recommended to carry out preliminary tests to verify the product's compatibility with the surface to be treated, considering the wide variety of application conditions and materials available on the market.

PREPARATION OF THE MIXTURE

Mixing ratio by weight Spot On 2 "A" Clear : Spot On 2 "B" Catalyst = 1:1.
Mix thoroughly and filter before use (125 microns).
It is recommended to prepare the mixture immediately before use, due to the fast reactivity of the product, especially in conditions of high humidity.

POT LIFE

5 minutes at 20°C

APPLICATION

Preferably use spot-repair spray guns: 1.5 bar, nozzle ø 1.0 – 1.2 mm.Alternatively, use gravity-fed HVLP spray guns: 1.2 bar, nozzle ø 1.0 mm.For high transfer efficiency gravity-fed guns: 2.5 bar, nozzle ø 1.0 – 1.3 mm.
Apply one full coat, ensuring the surface is thoroughly wetted – do not blend out.
Wait 10 seconds between coats.
Dry film thickness: 30 microns.

DRYING TIME

Air drying at 20–25°C; relative humidity 50–60%:

- Dust-free: 15 minutes
- Tack-free / Handleable: 40 minutes

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Drying is completed within 48 hours, during which time the coated surface must not be exposed to water.
WARNING: Never heat the product! (Do not use a baking oven or IR lamps)

STORAGE

Store for up to 6 months in the original packaging, in a cool, dry place, away from direct sunlight and at temperatures between 5°C and 30°C.
Warning: Once opened, the product is sensitive to moisture.
If the liquid becomes cloudy or opalescent, it has absorbed moisture and must not be used.

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REV.1 18/02/2026

SPOT-ON SPRAY

DEFINITION

Single-component thermoplastic acrylic clearcoat, capable of forming films with exceptional hardness, flexibility and adhesion characteristics, non-yellowing, designed for the painting of polycarbonate-based plastic materials such as lenses for car lights, synthetic glass (provided in polycarbonate), nautical components in transparent plastic, etc. The nature of its resin guarantees excellent transparency and shine and resistance to water, acids, alkalis and even heat.

CHARACTERTISTICS

- Chemical nature: acrylic resin
- Color: colorless

SUBSTRATE PREPARATION

Suitable for use on:

- Automotive headlight lenses
- Synthetic glass (as long as it is polycarbonate)
- Transparent plastic components for marine applications

Degrease the surface using No-Sil Aqua antisilicone cleaner and a Hitex 4000 cloth. Sand the surface according to the following cases:

- **Vandalism – deep scratches:**Start sanding with GARUDA P240 and continue with GARUDA P320.Then proceed with: Maxfilm P400, Superassilex Sky (P600),Superassilex Lemon (P800) or Superassilex Green (P1000).-
- **Dulling – Yellowing – Aging or chalking:**Start sanding with GARUDA P320, then continue with: Maxfilm P400, Superassilex Sky (P600), Superassilex Lemon (P800) or Superassilex Green(P1000).

Note: For deeper scratches, use coarser grits (e.g. GARUDA P180). It is important to completely remove the old protective film from the lens.

Clean the surface of sanding residues using No-Sil Aqua antisilicone cleaner and a Hitex 4000 cloth.

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APPLICATION

Shake the can thoroughly so that the mixing ball rotates vigorously for at least 20 seconds. It is also recommended to shake the can occasionally during use.
Spray evenly from a distance of approximately 10–15 cm, applying a first light coat.
Wait 2 minutes and apply a second light coat.
Wait a further 2 minutes, then apply a third full coat.
After use, it is recommended to spray for 2–3 seconds with the can turned upside down to prevent nozzle clogging.

Note: To allow the end user to find the best application solution, the product is supplied with two different fan nozzles: one red with a wider spray pattern, and one white with a narrower spray pattern.

DRYING TIMES

- Dust dry (20°C): 15 minutes
- Tack-free (20°C): 60 minutes
- Deep dry (20°C): 24 hours

STORAGE

Store in a cool, dry environment, protected from direct sunlight, and at temperatures between 5°C and 35°C.

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