

**Technical Data Sheet**

**Properties:** AKEMI® High Gloss Clear 2K is a fast drying 2K clear coat in an aerosol that gives an excellent finish. The product is characterized by the following properties:

- wide spray fan - spray pattern is similar to a spray gun
- high transfer efficiency
- a continuous atomising pressure until the can is completely empty
- professional finish
- permanent atmospheric and UV-resistance
- petrol resistance
- very easy to buff

**Application area:** AKEMI® High Gloss Clear 2K has been specially formulated for small areas (spot repairs) and to renew car lights in connection with a water based clear primer.

Can be applied on

- solvent and waterborne paints
- dry, properly degreased and sanded old paintwork
- polycarbonate

**Instructions for use:**

1. Pre cleaning with Catalfer SGA Eco anti-silicone cleaner and degreaser.
2. Existing finishes must be cleaned, degreased and wet or dry flat with P1000 –P1500 e.g. Catalfer ASD 3 or ASD4 or 1S Micro Fine or 2S Micro Fine
3. Post cleaning and degreasing and wipe dry.
4. Remove the yellow protection cap from the aerosol bottom. Put the metal ring into the pin eye and pull the pin out with the inserted ring to the stop.
5. Finally turn 360° the pin with ring and the inner cartridge is opened.
6. After activating the 2K Aerosol, shake can thoroughly for 2 minutes from when the mixer balls are heard.
7. Observe basecoat flash-off time.
8. Apply 1 - 2 light and even coats (about 20 to 40 µm).
9. Allow 5 - 10 minutes flash off time between coats.
10. Drying time 20°C:
  - touch-dry: 5 – 10 min.
  - grip tight: 4 – 5 hours
  - ready to buffing: 8 – 9 hours

Force drying

- 10 minutes of ventilation before applying heat
- 15 – 20 minutes at 60°C

Drying times are dependent upon 20 – 40 µm dry film thickness.

IR drying

- Allow a 10 minute flash off
- 50% power 15 minutes
- 100% power 10 minutes

Values of IR-drying are based on short-wave devices

11. Turn aerosol upside down after use and spray till only gas comes out.

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**Instructions – Lights coating:**

1. Mask the non-transparent back part of the head light.
2. Clean the headlamp lens with SGA Eco and wipe dry.
3. Remove the original UV-clear coat totally from the damaged area. Depending on hardness of existing coating it is recommend using following steps  
Soft coating: Sand the entire surface of the headlight first with P400 followed by P600, P800, P1500, P2000 and finally with P3000-grit.  
Hard coating: Sand the entire surface of the headlight first with P240 followed by P320, P400, P600, P800, P1500, P2000 and finally with P3000-grit.
4. Clean and degrease only with afin® Smooth Surface Cleaner or SGA Eco and wipe dry.
5. Shake the headlight primer can well for 2 minutes.
6. Apply 1 dust coat followed by a full coat of the headlight primer with a spray distance of 10 - 15 cm.
7. Allow to dry for approx. 30 min at 20°C. The headlight primer gives an opaque film. Full transparency is achieved by the following protective coating.
8. Clear coat apply in a half coat followed by 2 coats. Allow to flash-off for 2 minutes between coats.
9. The clearcoat can be polished after drying overnight at room temperature (20°C) or after 40 minutes at 60°C.

**Technical Data:**

Chemical base: acrylic resin; hardener aliphatic isocyanate  
Coverage: approx. 0.3 - 0.5 m<sup>2</sup>/aerosol at approx. 40 µm dry film thickness  
Degree of gloss: at measurement angle 60° acc. to DIN 67530  
Pot life: After activating the hardener about 14 hours (at 20°C). The pot life depends on surrounding temperature. Higher temperatures lead to shortened, lower temperatures to a longer pot life.

**Storage:**

If stored in dry and cool condition (5-25°C/41-77°F) in its closed original container at least 36 months from production (primer and hardener).

**Health & Safety:**

Read Safety Data Sheet before handling or using this product.

**Important Notice:**

The above information is based on the latest stage of development and application technology. Due to a multiplicity of different influencing factors, this information – as well as other oral or written technical advises – must be considered as non-binding hints. The user is obliged in each particular case to conduct performance tests, including but not limited to trails of the product, in an inconspicuous area or fabrication of a sample piece.