

Technical Data Sheet

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Properties: AKEMI® Gloss DEFENDER is a coating solution for protecting surfaces in the automotive bodywork sector from dirt and weathering.

The product is characterised by the following properties:

- transparent, durable coating
- hardens at room temperature
- excellent substrate adhesion
- high effectiveness despite very thin coating
- high water-repellent effect
- very good chemical and UV-resistance
- provides a noticeable deepening of the gloss
- 'easy-to-clean' effect
- high coverage
- easy application

Application Area: AKEMI® Gloss DEFENDER is used as a protective coating for painted surfaces, especially on smooth, non-absorbent substrates such as 2K polyurethane paints in the area of cars, commercial vehicles, motor-cycles, caravans, etc.

Instructions for use: AKEMI® Gloss DEFENDER is a ready-to-use solution and can be used without further dilution.

1. Processing should take place at a temperature of 10 - 30°C and a relative humidity of 40 - 80%.
2. For the restoration of weathered varnishes, the use of AKEMI® 1S Abrasive Diamond Cut or AKEMI® 1S Super Fine Polish is recommended.
3. The surface to be coated must be clean, grease-free and absolutely dry. Shortly before application, the surface should be activated with AKEMI® Eco Degreaser (then allow at least 5 minutes for it to evaporate).
4. Avoid moisture and direct sunlight.
5. To apply the coating, place the AKEMI® Application Cloth (Art. No. 80162) on the AKEMI® Applicator (Art. No. 80163) so that the soft side of the AKEMI® Applicator is completely covered by the AKEMI® Application Cloth. Now moisten the entire surface of the AKEMI® Application Cloth with AKEMI® Gloss DEFENDER and spread it over the surface to be coated. A closed liquid film must be recognisable.
6. After applying the product in two crosswise movements (two lengthwise and two crosswise), let it evaporate for 1 - 2 minutes and then immediately polish it with the AKEMI® Microfibre Cloth (Art. No. 80165). First remove the excess and then polish it with the fresh side of the cloth in circular movements from the outside inwards without applying pressure. Always use fresh AKEMI® microfibre cloths. Check the result with a varnish test lamp to make sure there is no haze and polish again immediately if necessary.
7. Defective areas can be reworked for up to 5 minutes after application, after which a further coating is no longer possible due to the repellent effect.
8. AKEMI® Gloss DEFENDER is touch-dry after about 1 hour, weatherproof after about 8 - 12 hours and fully hardened after 5 - 8 days at room temperature.

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Special Notes:

- For professional use only.
- AKEMI® Gloss DEFENDER must not be mixed with other substances, water, coatings or thinners.
- Do not wash the vehicle for at least 7 days, as the sealant will only be fully hardened by then.
- In the first 14 days, bird droppings and insect residues should be gently removed as soon as possible. Cleaning agents with pH values below 5 or above 12 should be avoided.
- Before the actual coating, it is recommended to test the system on a small area.
- With normal, average vehicle use, it is assumed that the coating will last for approx. 3 years.
- Residues of unused AKEMI® Gloss DEFENDER must not be returned to the original container.
- After coating, the microfibre cloths cannot be reused.
- For proper waste disposal, the container must be completely emptied.
- Recycling in accordance with the guidelines of EU Decision 97/129 EC on the Packaging Directive 94/62/EC.

Technical Data:

Appearance: clear, colourless to pale yellow liquid
Consistency: low viscous
Density: 0.92 g/cm³
Consumption: approx. 5 - 15 ml/m²
Chemical composition: hybrid polymers in n-butyl acetate

Storage:

If stored in dry and cool condition (5 - 25°C/41 - 77°F) in its closed original container at least 12 months from production.

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 trials of the product, in an inconspicuous area or fabrication of a sample piece.

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