Technical Data Sheet

Properties:

AKEMI® Topcoat is a fast drying and paintable stone chip finish based on synthetic resins and rubber as well as corrosion inhibitors. AKEMI® Topcoat protects side sills, lower door edges and front and rear lower panels after repair.

The product is characterized by the following properties:
- good spray properties - no sagging, does not string
- high stability, no slump down even when applying thick layers (up to 2 mm)
- can be applied over sealants
- good adhesion on iron, steel, aluminium and various plastics
- provides stone chip and road salt protection
- compatible with conventional paints, however, for water-based paints, it is necessary to use AKEMI® Plastic Adhesion Promoter
- high abrasive resistance
- very good sound deadening characteristics
- very good thermal stability and cold flexibility
- can be quickly overpainted

Application Area:

AKEMI® Topcoat is mainly used on all surfaces of the vehicle as a stone chip finish, such as sills, spoilers, wheel arches as well as for corrosion protection coating on side sills, lower door edges and front and rear lower panels.

Instructions for use:

AKEMI® Topcoat is ready to use and can be used on bare sheet metal and on old coats of paint.

1. Surfaces should be derusted, thoroughly cleaned, degreased and dry.
2. Remaining corrosion spots can be converted with AKEMI® Rust & Dirt Remover into a phosphating.
3. Parts not to be coated should be properly covered.
4. Roughen bare metal with 180 grit paper.
5. Roughen old paint surfaces with 400 grit paper.
6. For over-coating aluminium, we recommend prior use of AKEMI® 1K Epoxy Primer.
7. Shake bottle thoroughly before use.
8. Apply with Shutz Gun, use a pressure of 1.5 up to max. 3 bar and spray at a distance of approx. 25 cm.
9. Different types of texture can be achieved by adjusting the air pressure and loosening or tightening the nozzle or the spray distance.
10. In case of application of high coats, allow flash off for 10 to 15 minutes between each single coat.
11. The surface is touch-dry after approx. 90 minutes and completely dry after 24 hours.
12. Can be overpainted wet-on-wet in approx. 1 to 2 hours with almost all paint systems (very good ventilation and temperatures > 20°C).
13. On water-based paints it is recommended to use AKEMI® Plastic Adhesion Promoter prior to application.
14. Equipment or inadvertently sprayed parts can be cleaned with AKEMI® Acryclean.

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Special Notes:

- For professional use only.
- Curing depends on the ambient conditions (temperature, air humidity, air movement, surface temperature etc.) and the applied thickness of the coating layer.
- The object temperature must be at least 3°C above the dew point during coating. Dew point table available on request. The ideal working temperature is between +15°C and +25°C.
- Use AKEMI® Liquid Glove to protect your hands.
- Clogged air holes on the shutz adapter may cause bursting of the can.
- Drying is considerably better when applying several thin coats than when applying one thick coat.
- Inadvertently sprayed parts can be cleaned with AKEMI® Acryclean, AKEMI® Universal Thinner, cold cleaning agent or white spirit.
- 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:

Colour:	grey, black
Density:	approx. 1.2 g/cm³ (DIN 51757)
Solid content:	approx. 56% (DIN 53216)
Viscosity:	approx. 30 Pas
Theoretical coverage:	1.5 - 1.8 m²/can, layer thickness 600 µm
Salt spray test DIN 50021:	up to 480 hrs, Ri 0 at 400 µm dry up to 720 hrs, Ri 0 at 400 µm dry + paint
Drying time (20°C, 65%RH):	at 600 µm wet approx. 90 minutes
Temperature resistance:	-25°C up to +80°C
VOC (EU):	533.0 g

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

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