

Technical DataSheet



The Original with optimised ATTBLIME® Cyclododecane

Additional for Sensitive Object's like 1K Paint, Additive Manufacturing and Plastic's

Free of harmful pigments like Adamantane and Titanium Dioxide, only Ethanol as a Solvent

Residue-free sublimation; no cleaning required

Unique ATTBLIME SHC® Spray Pattern

Approved and used by Scanning experts for Automotive and Aerospace

Reflective, dark or shiny surfaces are difficult or sometimes even impossible to capture with optical 3D scanners. To mattify the surfaces to be measured, ATTBLIME® Scanning sprays can be sprayed before scanning which gives an accurate dimensional accuracy. This can be sprayed very thinly and evenly onto the surfaces to be recorded, so that high contrast values are created and even the smallest surface details are recorded.

The sublimating ATTBLIME version ABZERO is based on an optimised version of the substance ATTBLIME® Cyclododecane, which has been tried and tested for many years, and is characterised by complete sublimation with a service life of up to 6 hours. The spray applied evaporates without leaving any residue on the component. Subsequent cleaning of the component is not necessary. The even spray pattern has a layer thickness of < 3.0 µm in ABZERO.

Why ATTBLIME® Cyclododecane ?

ATTBLIME® Cyclododecane is specially treated and modified to create a very thin, homogeneous and a uniform layer that is completely residue-free unlike the other conventional cyclododecane or adamantane based products. Owing to its unique properties, ATTBLIME® Cyclododecane sprays require significantly less "after-spraying" due to its longer service life and thus protecting the environment while also making it significantly cost-economical.

Our key ingredient - Cyclododecane is an organic compound and the most stable representative in its family. It does not bioaccumulate in aquatic organisms and is therefore completely harmless to humans and the environment. It is non-toxic, non-carcinogenic and label free according to GHS "Globally Harmonised System".

According to SGS Institut Fresenius, no residual Cyclododecane could be detected 24 hours after an application of ATTBLIME ABZERO making the product 100% Residue-free.





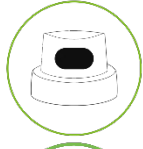
ATTBLIME SHC®

The spray cans are equipped with the unique SHC® system (spray-head-change-system), which allows the user to choose between vertical and horizontal, as well as wide and narrow exit angles, to control the film thicknesses and thus sublimation times.



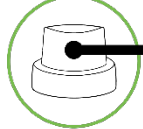
Round spray head

Round spray pattern for high definition details. Shorter sublimation time due to a fine application.



Variable spray head (rotatable)

For a vertical and horizontal spray pattern. Longer sublimation time due to large area application.



Extended Tube spray head (optional)

For hard to reach area and high resolution details

Areas of Application/ Industry

- Automotive
- Aerospace
- Engineering
- Art
- Conservation and Restoration
- Architecture
- Medical
- Digital Archiving
- Optical Metrology
- Research and Development
- Measurement Services
and many more

PRODUCT CHARACTERISTICS

Form	Transparent Liquid
Basis	Solvent
Propellent (aerosol)	Propane/Butane
Colour	Whitish Gray
Pigment	Pigment-free
Key Ingredient	ATTBLIME® Cyclododecane
Free Scan Time(FST)* hrs	1 hours
Sublimation Time	1 - 2 hours
Type	Sublimating/ Self-evaporating
Residue	NIL
Film formation	60 seconds
Coating thickness	< 3.0 µm
Application	3D Scanning
	Conventional Developer
Replaces	Paint Non-evaporating Sprays
Adherence of Reference points on film	Yes
Size of Component	Small to Medium
Surface Compatibility	all types of material**
Toxicology	Irritant
Area Coverage (m2)	2.5
Spray mechanism	ATTBLIME SHC®
Spray Distance	10-20 cm's
Storage Temperature	5-45 °C
Shelf Life	5 years
Form / Pack Size	400ml Aerosols
Case Size	6 or 12

* FST - Free Scan Time is the actual intact duration that the coated layer stays before sublimation begins.
** Check compatibility on a test patch before use. Not advisable for us on 1K lacquered paints.

Application of ATTBLIME® AB2

Hold the can upright and spray a single even layer from a distance of 10-20 cm's onto the object to be scanned. Scan the object in a usual manner. The layer will disappear with NIL residue.

Storage

Store in well-ventilated area away from heat sources. Do not expose to temperatures exceeding +45° C

Health and Safety

Review all relevant health and safety information before using the product. For complete health and safety information, refer to Safety Data Sheet.