

# ATTBLIME<sup>®</sup>

HIGH PERFORMANCE 3D-SCANNINGSPRAY

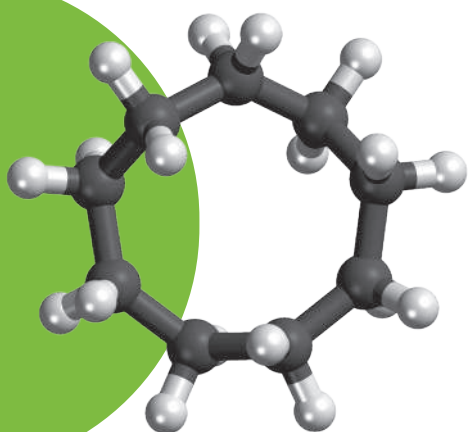


THE ORIGINAL WITH  
**ATTBLIME<sup>®</sup> CYCLODODECANE**

Transparent, dark, shiny and objects with deep pockets/ complex profiles often pose serious challenges in scanning. The blue light from 3D Scanners gets transmitted, refracted or sometimes reflected based on the properties of the object, thereby leading to inaccuracies in scanning.

**110+** years  
in speciality chemicals

Introducing the world's most **advanced 3D Scanning Spray - ATTBLIME<sup>®</sup>**, a sublimating/vanishing /self-evaporating matting spray.



### Why ATTBLIME<sup>®</sup> Cyclododecane?

- A specially treated and modified compound
- Long-duration sublimation
- Highest dimensional accuracy
- Gives a very thin, homogeneous and a uniform layer
- Harmless to humans and the environment
- Residue-free
- Non-toxic, non-carcinogenic, and label-free

*According to SGS Institut Fresenius, no residual cyclododecane could be detected 24 hours after applying ATTBLIME<sup>®</sup> AB6 and 96 hours after applying ATTBLIME<sup>®</sup> AB24, making the products 100% residue-free.*

### The ATTBLIME<sup>®</sup> advantage

ATTBLIME<sup>®</sup> Cyclododecane is specifically optimised for servicing in-line scanning applications during serial production and quality control. Our working models for fully integrated automated robotic scanning systems with our key automation partners for the Automotive, Aerospace & Defence Industries. It is the most economical and sustainable working model for full-scale 3D scanning.

- Optimised for servicing in-line scanning applications
- Fully integrated automated robotic scanning systems for the Automotive, Aerospace & Defence Industries
- Lowered scanning costs

# Our products

	AB ZERO	AB 2	AB 6	AB 24	AB P
Key ingredient	ATTBLIME® CYCLODODECANE				Renewable natural pigments
Basis	Bio-ethanol	Alcohol + Hydrocarbons	Alcohol+ Hydrocarbons	Solvent-Free	Alcohol
Type	Sublimating				Non-Sublimating
Pigment	Pigment-Free				Food Grade Pigments
Colour	Whitish Gray	Whitish Gray	Whitish Gray	White	New Co-operative Gray
Residue	NIL				Grey Powder Film
Effective Scan Time*	<1 hour	1-2 hours	2-6 hours	12-24 hours	Semi-Permanent
Sublimation Time	1-2 hours	2-4 hours	6-10 hours	24-48 hours	Semi-Permanent
Film Formation	45 seconds	30 seconds	15 seconds	Instant	30 seconds
Replaces	Conventional Developer Paint Non-Evaporating Sprays	Conventional Developer Paint Non-Evaporating Sprays	Conventional Cyclododecane Sprays, Adamantane Sprays	Conventional Cyclododecane Sprays	Conventional Developer Paint Non-Evaporating Sprays
Coating Thickness	2.9 microns (Aerosol)	4.4 microns (Aerosol) 3.6 microns (Bulk)	6.5 microns (Aerosol) 4.9 microns (Bulk)	32 microns (Aerosol)	4.5 microns (Aerosol) 3.9 microns (Bulk)
Application	3D Scanning	3D Scanning	3D Scanning	3D Scanning, Art Conservation and Restoration	3D Scanning
Adherence of Reference Points on Film	Yes				
Size of Component	Small - Medium	Small - Medium	Small - Large	Small - Large	Small - Large
Surface Compatibility	In addition, 1k Paints And Sensitive Plastics	All types of materials**			
Area Coverage (m²)	2.0 - 2.5 (Aerosol)	3.0 - 3.5 (Aerosol) 10 - 14/L (Bulk)	3.5 - 4.0 (Aerosol) 12 - 16/L (Bulk)	3.0 - 3.5 (Aerosol)	3.0 - 3.5 (Aerosol) 12 - 16/L (Bulk)
Spray Mechanism (Aerosols)	ATTBLIME® SHC				
Spray Mechanism (Bulks)	< 0.75 mm of Spray nozzle				
Spray Distance	10-20 cms	10-20 cms	10-20 cms	5-10 cms	15-25 cms
Toxicology	Irritant (Solvent)	Irritant (Solvent)	Irritant (Solvent)	Non-Toxic	Irritant (Solvent)
Form & Pack Size	Aerosol 400 ml	Aerosol 400 ml	Aerosol 400 ml (AB6G) Bulk 1L, 5L, 125L	Aerosol 400 ml	Aerosol 400 ml (ABP G) Bulk 1, 10, 200 L
Case Size	6 or 12 (Aerosols)				
Storage Temperature	5-45°C				
Shelf Life	5 years				

\*Effective Scan Time is the actual intact duration that the coated layer stays before sublimation.

\*\*Test patch before use.

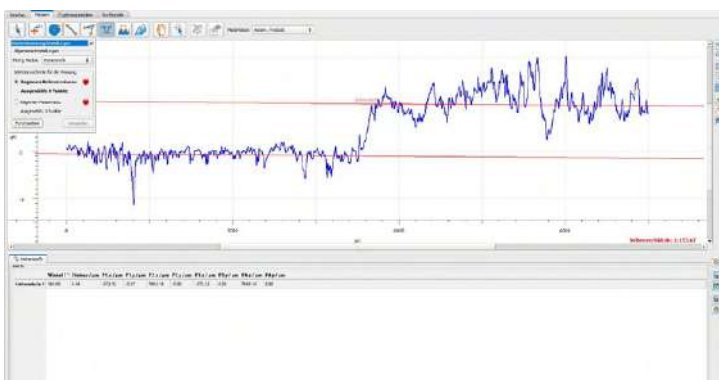


## Layer Thickness Analysis

Product	Result
ATTBLIME ABZERO	2,9µm
ATTBLIME AB2	4,4µm
ATTBLIME AB2-G	3,36µm
ATTBLIME AB6	6,5µm
ATTBLIME AB6G	4,9µm
ATTBLIME AB24	32,36µm
ATTBLIME ABP	4,5µm
ATTBLIME ABPG	3,9µm



Result with High Contrast Layer Thickness



Measurement Scale



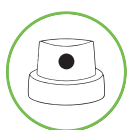
Coating Thickness Measurement with Alicona µCMM



## SHC system

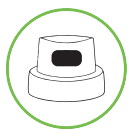
### (Spray Head Change System):

The spray cans are equipped with a unique SHC<sup>®</sup> system, enabling the user to choose between vertical and horizontal, as well as broad and narrow exit angles, to control the film thicknesses and thus sublimation times.



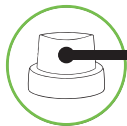
#### Round spray head

- High-resolution details
- Shorter sublimation time



#### Variable spray head (Rotatable)

- The Vertical and horizontal spray pattern
- Longer sublimation time



#### Extended tube spray head

- For hard to reach areas
- High resolution details



## Watch ATTBLIME in action



IN-LINE 3D SCANNING,  
NOW POSSIBLE.



# AB6 G

A one-of-its-kind solution to  
all your bulk scanning problems

Making 100% in-line 3D scanning on production floors a reality.

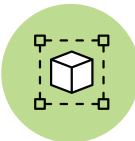
AB6 G is a superfine and versatile 3D spray developed with the inputs of leading industry experts, using the optimised ATTBLIME® Cyclododecane. It is the most ideal for all types of in-line/automated 3D scanning requirements across the Automotive and Aerospace industries. Achieved industry’s highest user satisfaction for in-line scanning application with immense focus on precision and dimensional accuracy.



ATTBLIME AB6 G sprayed using air brush



ATTBLIME AB6 G sprayed using spray gun



Effective  
**High-Performance  
3D Scanning**



Optimised  
**ATTBLIME®  
Cyclododecane**



**Residue-free**



**Cost-effective**



Minimal layer  
thickness of  
**3.6 Microns**



Adjustable  
sublimation time  
from **1 to 24 hrs**



Nozzle compatible with all  
types of spray systems with diameter  
**less than 0.75mm**

**ATTBLIME® AB6 G**  
sprayed using  
spray gun



# Areas of application/ Industry



Automotive



Aerospace



Engineering



Art



Conservation &  
Restoration  
Architecture



Medical



Digital Archiving



Optical Metrology



Research &  
Development



Measurement  
Services

*To know more on how ATTBLIME® can be used in your field or for special applications, please contact us.*





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