

PRODUCT INFORMATION

Tarnish 3D scanningspray



General Information

REFLECON® Tarnish 3D scanningspray has been developed to dull reflecting, mirroring, transparent or dark surfaces for the 3D optical measurement technique (known as laser scanning). 3D laser scan allows a quick and exact non-contact measurement of complex geometrics. For an optical measurement or reflecting, mirroring, transparent or dark surfaces a matting agent is applied before. For this application two different REFLECON® product types are available:

REFLECON® Tarnish type 1 – sublimating scanningspray

REFLECON® Tarnish type 2 – permanent scanningspray

Field of Application

The optical 3d laser measurement is used especially in the following sectors:

- Automotive
- Aerospace
- Engineering
- General industrial use
- Medical engineering
- Art & culture

In these sectors the measurement is performed in the following areas:

- Optical testing and measuring technology
- Research & development
- Quality control
- Surface inspection
- Process monitoring
- Reverse engineering



Technical changes reserved!



Material Suitability

REFLECON® Tarnish scanningsprays are suitable for the following materials:

- Metal and non-metal
- Thermoplastic resins (PC, PP, PU or ABS)
- Polyester, cotton, PLA fabrics
- Single-component lacquer coatings, plastics, rubber: Please check suitability on each product information
- Glass
- Ceramic

If you have any questions, please do not hesitate to contact us!

Important notes regarding sublimation time

These are the influencing factors of sublimation time for REFLECON® Tarnish type 1 products:

- **Temperatures:** Higher temperatures of scanningspray, measuring object and ambient temperatures, here especially >30°C, reduce the sublimation time, lower temperatures increase the time.
- **Structure of surface:** Rough surfaces increase the sublimation time, smooth surfaces reduce the time.
- **Thickness of matting agent layer:** Apply a thick layer of Scanningspray to increase the sublimation time enormously.

Contamination of measuring objects can cause residues of Scanningspray on the surface!

Sublimation process



Technical changes reserved!

