

REFLECON® Tarnish 3D Scanningspray



GENERALLY

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 – volatile Scanningspray (sublimating)

REFLECON® Tarnish type 2 – non-volatile 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 and 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

REFLECON® Tarnish 3D Scanningspray

MATERIAL SUITABILITY

REFLECON® Tarnish Scanningsprays are suitable for the following materials:

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

If you have any questions, 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.

FUTHER INFORMATION

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

