

# HELLING 3D Laser Scanning Anti-Reflexionspray MATT

Anti-reflection spray for 3D laser scanning

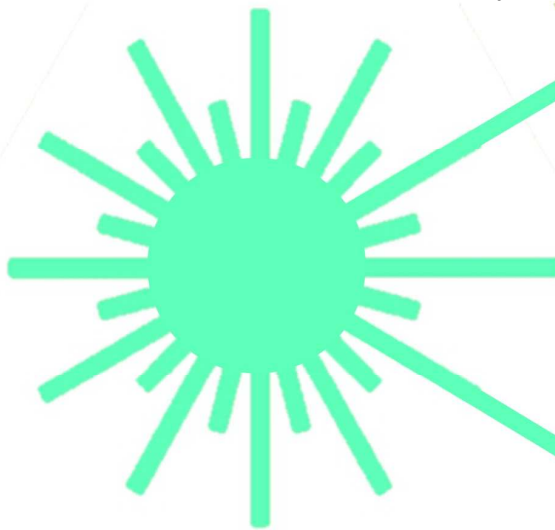
**Solvent-free - highly volatile**

Measurement and testing of construction components is an essential part of production monitoring, quality control or other applications. 3-D laser measurement is a modern and efficient technique for survey of construction components.

3-D laser measurement is a contact-less measuring technique which also enables measurement of complex geometries. Anti-reflection or matting is required in the case of reflective, mirroring, transparent or dark surfaces.

## HELLING 3D Laser Scanning Anti-Reflexionspray MATT

is a newly developed anti-reflection product :



Article number  
119.990.009

- ✦ The powder layer sublimates and evaporates residue-free
- ✦ enables very efficient **wettability** of the surface
- ✦ creates a homogenous, smooth, closed, fine, white powder layer, which provides for a **precise measurement result**

furthermore creates

- ✦ excellent **matting**
- ✦ outstanding **coverage rate**

### Fields of application

- Automotive
- Aerospace
- Engineering
- Medical technology
- Production monitoring
- Quality control
- Research & development
- Surface inspection

### Materials

- Metals
- Non-metals
- Plastics
- Glass
- Ceramics
- Rubber
- Fibre materials such as polyester or cotton
- Painted surfaces

**In case of questions about material suitability we are happy to assist!**

Check suitability before use

# HELLING 3D Laser Scanning Anti-Reflexionsspray MATT

## Anti-reflection spray for 3D laser scanning

### Solvent-free - highly volatile

Essential improvement with respect to **health and environmental protection**

- ✱ Volatile anti-reflection spray
- ✱ Solvent-free (free of cyclododecane)
- ✱ Powder layer sublimates and evaporates completely
- ✱ No dust residue during spraying (preserves laser ventilator and avoids injury upon test personnel)

### Application

- ✱ Remove contaminations
- ✱ Spray **HELLING 3D Laser Scanning Anti-Reflexionsspray MATT** from a distance of 30 cm onto the construction component to be tested.  
Previous shaking of aerosol is not necessary.
- ✱ The powder layer sublimates and evaporates residual-less.
- ✱ The sublimation period is influenced by the following factors
  - **Temperature**  
Higher temperatures (T) of the construction component, the anti-reflection product or the environment lead to shorter sublimation periods (especially when  $T > 30^{\circ}\text{C}$ ).  
Lower temperatures lead to longer sublimation periods.
  - **Surface structure**  
Uneven and rough surfaces extend the sublimation period.  
Smooth surfaces shorten the sublimation period.
  - **Thickness of anti-reflection product layer**  
It is recommended to produce a rich layer of the anti-reflection product onto the surface.  
This extends the sublimation period.
- ✱ Post-cleaning can be performed using 3-D cleaner.

Heidgraben, December 2022

Subject to technical changes