HELLING 3D Laser Scanning
Anti-Reflexionsspray 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-Reflexionsspray 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

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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°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.

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Subject to technical changes

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