

# PRODUCT INFORMATION

## COMPARISON TYPE 1 AND 2



REFLECON	VOLATILE - Type 1					NON-VOLATILE - Type 2	
	Tarnish 11	Tarnish 12	Tarnish 13	Tarnish 30	Tarnish 50	Tarnish 80	Tarnish 90
<b>Base</b>	Solvent based	Very low solvent content	Solvent based	Solvent based	Cyclododecane	Solvent free, water based	Solvent based
<b>Drying time</b>	60 seconds	5 – 10 seconds	up to 240 seconds	10 – 20 seconds	5 – 10 seconds	not applicable	not applicable
<b>Application via</b>	Aerosol	Aerosol	Aerosol	Bulk	Aerosol & Bulk	Bulk	Aerosol & Bulk
<b>Sublimation time (depending on the object)</b>	100 % sublimation after 1 – 3 hours	100 % sublimation after 1 – 2 hours	100 % sublimation after 10 – 24 hours	100 % sublimation after 5 – 15 minutes	100 % sublimation after 5 – 8 hours	no sublimation	no sublimation
<b>Material suitability (material suitability must be tested before use)</b>	<ul style="list-style-type: none"> <li>black, transparent &amp; reflective parts all AL &amp; steel grades</li> <li>plastics</li> <li>glass, wood, ceramic, polyester, cotton, PLA fabrics</li> <li>acrylic lacquer</li> </ul>	<ul style="list-style-type: none"> <li>black, transparent &amp; reflective parts all AL &amp; steel grades, singlecomponent lacquer</li> <li>ceramic, polyester, cotton, PLA fabrics</li> <li>acrylic lacquer</li> </ul>	<ul style="list-style-type: none"> <li>transparent &amp; reflective parts all AL &amp; steel grades</li> <li>plastics</li> <li>glass, ceramic, polyester, cotton, PLA fabrics</li> </ul>	<ul style="list-style-type: none"> <li>black, transparent &amp; reflective parts all AL &amp; steel grades</li> <li>plastics</li> <li>glass, wood, ceramic, polyester, cotton, PLA fabrics</li> </ul>	<ul style="list-style-type: none"> <li>black, transparent &amp; reflective parts</li> <li>all materials and surfaces</li> <li>acrylic lacquer</li> <li>plastics: especially ABS, POM &amp; PP</li> </ul>	<ul style="list-style-type: none"> <li>plastics</li> <li>all AL &amp; steel grades</li> <li>ceramic</li> </ul> <p>(No labelling acc. to GHS)</p>	<ul style="list-style-type: none"> <li>plastics</li> <li>all AL &amp; steel grades</li> <li>ceramic</li> </ul>
<b>Performance</b>	white smooth and fine layer, no post-cleaning, free of pigments	white smooth and fine layer, no post-cleaning, free of pigments	„white 3D ice flakes“, no postcleaning, free of pigments	white smooth and fine layer, no post-cleaning, free of pigments	white smooth and fine layer, no post-cleaning, free of pigments	white smooth and fine layer, free of pigments	white smooth and fine layer, free of pigments
<b>Layer thickness</b>	5 - 20 µm	5 - 20 µm	~ 20 µm	5 - 20 µm	10 - 25 µm	15 - 35 µm	15 - 35 µm
<b>Spray distance</b>	15 – 20 cm	5 – 10 cm	20 – 30 cm	10 – 20 cm	20 – 30 cm	20 – 30 cm	20 – 30 cm

### Important note regarding the sublimation time for REFLECON® Type I Scanningspray!

The sublimation time is depending on the following factors:

- ambient temperature (the higher the temperature the faster is the sublimation time)
- thickness of the sprayed layer (the higher the layer the longer the sublimation time)
- air condition or in general ambient air ventilation (high airflow is reducing the sublimation time)
- material, surface, complexity and roughness of the scanned object

Material suitability must be tested before use!