

PRODUCT COMPARISON TABLE

3D SCANNINGSPRAY TYPE I AND TYPE II



SUBLIMATING - Type I							PERMANENT - Type II	
	Tarnish 11	Tarnish 12	Tarnish 13	Tarnish 30	Tarnish 50	TopoTrack	Tarnish 80	Tarnish 90
Base	Solvent based Adamantane	Low solvent content Adamantane	Solvent based Adamantane	Solvent based Adamantane	Solvent based Cyclododecane	Solvent based Cyclododecane	Solvent free, water based	Solvent based Adamantane
Drying Time	30 seconds	10 seconds	up to 240 seconds	30 seconds	30 seconds	30 seconds	60 seconds	30 seconds
Application					 			 
Sublimation Time (depending on the object)	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	100 % sublimation after 12 – 24 hours	No sublimation	No sublimation
Spray Volume								
Material Compatibility (All kind of material suitability must be tested before use in any case)	All materials: metals, glass, ceramics, wood, 2K coatings, most plastics except PMMA <i>PVC soft, PS & PU/PUR are questionable</i>	All materials: metals, glass, ceramics, wood, 2K coatings, most plastics <i>PS is questionable</i>	All materials: metals, glass, ceramics, wood, 2K coatings, most plastics except PMMA <i>PVC soft, PS & PU/PUR are questionable</i>	All materials: metals, glass, ceramics, wood, 2K coatings, most plastics except PMMA <i>PVC soft, PS & PU/PUR are questionable</i>	All materials: metals, glass, ceramics, wood, 2K coatings, most plastics except PVC soft <i>PU/PUR is questionable</i>	All materials: metals, glass, ceramics, wood, 2K coatings, most plastics except PVC hard, PVC soft, PS, ABS, PMMA, PC, PU/PUR <i>Ferrous materials are questionable</i>	All materials: metals, glass, ceramics, wood, 2K coatings, plastics	All materials: metals, glass, ceramics, wood, 2K coatings, most plastics except PET, PVC hard, PVC soft, PS, ABS, PMMA, PC, PU/PUR
Layer Thickness	Approx. 6 µm	Approx. 8 µm	Approx. 5 µm	Approx. 3 µm	Approx. 5 µm	Approx. 10 - 35 µm	Approx. 3 µm	Approx. 6 µm
Spray Distance	20 – 25 cm	20 – 25 cm	20 – 30 cm	20 – 25 cm	20 – 30 cm	20 – 30 cm	20 – 30 cm	20 – 30 cm
Adhesion of Reference Points	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Price	£24	£24	£24	£24	£30	£25	£12	£9



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

Please note:
Material suitability must be tested before use! No liability is assumed for any damage!

*Prices shown exclude VAT

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MATERIAL COMPATIBILITY TABLE

3D SCANNING SPRAY TYPE I AND TYPE II

	SUBLIMATING - Type I						PERMANENT - Type II	
	Tarnish 11	Tarnish 12	Tarnish 13	Tarnish 30	Tarnish 50	TopoTrack	Tarnish 80	Tarnish 90
METALS								
Ferrous Materials (Steel / Cast uncoated)	+	+	+	+	+	+	O	+
Non-ferrous Metals (uncoated)	+	+	+	+	+	+	+	+
PLASTICS								
PE	+	+	+	+	+	+	+	+
PP	+	+	+	+	+	+	+	+
PET	+	+	+	+	+	+	+	-
PA	+	+	+	+	+	+	+	+
PVC hard	+	+	+	+	+	-	+	-
PVC soft	O	+	O	O	-	-	+	-
PS	O	O	O	O	+	-	+	-
ABS	+	+	+		+	-	+	-
PMMA	-	+	-	-	+	-	+	-
PC	+	+	+		+	-	+	-
PU/PUR	O	+	O	O	O	-	+	-
LACQUERS / COATINGS								
2K Coatings	+	+	+	+	+	+	+	+
Alkyd								
Epoxy Resin								
Acrylate								
Polyester								
Polyurethane								

Please note: The material suitability must be tested before use! The scan object should always be tested on a non-visible spot before using the scanning sprays! The table only shows tendencies. No liability is assumed for any damage!

	Good material compatibility		Material compatibility possible		No material compatibility		No general statement possible based on a large number of variants and mixtures.
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