

PRODUCT COMPARISON TABLE

3D SCANNINGSPRAYS SUBLIMATING & PERMANENT

	SUBLIMATING			PERMANENT	
	Tarnish 11	Tarnish 12	Tarnish 50	Tarnish 80	Tarnish 90
Base	Solvent based Adamantane	Low solvent content Adamantane	Solvent based Cyclododecane	Solvent free, water based	Solvent based
Drying Time	30 seconds	10 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 5 – 8 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 PVC soft <i>PU/PUR is questionable</i>	All materials: metals, glass, ceramics, wood, 2K coatings, plastics <i>Ferrous materials are questionable</i>	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. 6 µm
Spray Distance	20 – 25 cm	20 – 25 cm	20 – 30 cm	20 – 30 cm	20 – 30 cm
Adhesion of Reference Points	Yes	Yes	Yes	Yes	Yes



Important note regarding the sublimation time for REFLECON® 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!



MORE INFOS

MATERIAL COMPATIBILITY TABLE

3D SCANNINGSPRAYS SUBLIMATING & PERMANENT

	SUBLIMATING			PERMANENT	
	Tarnish 11	Tarnish 12	Tarnish 50	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	+	-	+	-
PS	O	O	+	+	-
ABS	+	+	+	+	-
PMMA	-	+	+	+	-
PC	+	+	+	+	-
PU/PUR	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.