

# 7675 Duo Glass-Metal / 7678 (Conc.) & 673 Universal NA

Universal Coatings for non-absorbent surfaces (Glass / Ceramics, Plastics, Metal & Stainless Steel)

## KEY FEATURES

Application Temperature	Coverage Rate per Litre	Durability of the Coating	Shelf Life of the Liquid	Storage Temperature	Curing Time
+5 to +50°C	200 - 250 m <sup>2</sup> (depending on the structure of the substrate)	Up to 2 years, depending on abrasion rates	12 - 18 months	+5 to +25°C	12 hours

Universal coatings are coatings which offer the same “very good” performance characteristics on every substrate. But for the highest level of performance we suggest the use of our „substrate specific“ coatings. The universal coatings are perfect for consumers, easy to apply and very effective.

## PROPERTIES

- Can be used on almost all non-absorbent surfaces
- Easy to apply
- Easy to clean
- Biostatic
- Treated surfaces remain clean for prolonged periods
- Adhesion of dirt and deposits is massively reduced
- Soiling is easily removed with water
- Water and other liquids pearl off easily
- Ideal for bathrooms, healthcare environments and public buildings
- Food safe, tested after EC legislation regulation 10/2011
- Colourless
- Layer thickness: approx. 100 nm
- Inorganic

## PACKAGING & SHIPPING

Type	7675/7678	673
Ready-to-use	7675-1 1 000 ml bottle	673-1 1 000 ml bottle
	7675-200 200 litre barrel	673-200 200 litre barrel
	7675-1000 1 000 litre IBC	673-1000 1 000 litre IBC
	HS code: 3208 9019, DG (VOC 99%)	HS code: 3208 9019, DG
Concentrate	Dilution Rate: 1:120	
	7678-1 1 000 ml bottle (1:120)	Not available
	7678-200 200 litre barrel	
	7678-1000 1 000 litre IBC	
Needed alcohol: Isopropanol 100%; water content < 0,1 wt%		
HS codes: 3208 9091 + 2811 1980, DG (2 components)		

## APPLICATIONS

Application	7675 SiO <sub>2</sub> based	673 Silane-based
Glass / Ceramics	✓ ✓ ✓	✓ ✓
Plastics	✓ ✓	✓ ✓ ✓
Metal	✓ ✓	✓ ✓
Stainless Steel	✓ ✓ ✓	✓ ✓
Painted Surfaces / Car Paintings	✓ (cannot be layered)	✓ ✓ ✓ (can be layered)

## ATTRIBUTES

Attributes (R2U)	7675	673
Alcohol-based	Yes	Yes
Application	Easy	Very easy
Odour	Nearly odour-free	Slight
Touch Dry	2 - 3 minutes	2 - 3 minutes
Surface Usable after	1 hour	20 minutes
Optimum Performance after...	24 hours	10 hours

## QUALITY STANDARDS

Test	Description
TÜV, MSZ ISO 18593:2008	Microbiological Test
TÜV, MSZ 9640/41:1983	Scratch hardness test with spring ball rod
TÜV, MSZ EN ISO 15184:2013	Pencil Hardness Test
TÜV, Sessile Drop Method	Water-Repellent, surface tension, contact angles
TÜV, DIN 51 155	Impact Test
TÜV, ICP-MS MSZ EN ISO 17294-2:2005	Metal content of the wipes
TÜV, ICP-MS + XRF	RoHs screening test
ASTM D 3363	Wolf Wilburn Pencil Hardness Test
DIN EN ISO 15184	
BS 3900-E19	
DIN EX 13523-4	
ISO 10993-1	Biocompatibility Test
ASTM E 2180-07 (Reapproved 2012)	Assessment of Antimicrobial activity (ATCC 6538, 4352 & 15442)
ISO 9001	Anti-Bacterial Test
Martens, Vickers	Hardness Test on Mobile Phone Screens
	Radiation Test on mobile phone