
Date: 01/01/2024**TECHNICAL DATA SHEET****Page 1/2**

PRODUCT NAME & CODE: URETAL 9901/B5XX**DESCRIPTION: ACRYLIC CLEAR TOPCOAT****COLOUR: CLEAR****NATURE AND FIELD OF USE**

A transparent acrylic clear matt finish, with excellent transparency, plasticity, hardness, softness and resistance to yellowing. It is a product suitable for painting natural light woods, veneered or solid wood, used for the production of kitchen and bath cabinets, residential and commercial furniture, furnishing components, fixtures, millwork and joinery, etc. It can be used both in hot air tunnel cycles and in trolley drying at room temperature. The product is not suitable for painting outdoor products.

PREPARATION OF PRODUCT:

CATALYST RATIO	BY VOLUME	BY WEIGHT	CATALYST
100% of Part A	10%	10%	9950/A699

DILUTION:

20 to 40% (on Part 'A') for spray applications (gravity cup gun and air-mix).

20 to 30% (on Part 'A') for applications with airless pump.

Use 9038 0000 or in any case, use a suitable polyurethane thinner.

For application with high temperatures and humid climates, it is necessary to add up to 5% retardant thinner, 9058/0000.

POT-LIFE:

With 9950/A699 and dilution of 30%, pot life >4 hours at a temperature of 20°C/68°F and RH of 60-70%.

AVAILABLE GLOSSES (± 2):

9901/B505 – 3/5 gloss	9901/B515 – 15 gloss	9901/B535 – 35 gloss	9901/B550 – 50 gloss
9901/B560 – 60 gloss	9901/B580 – 80 gloss		

TECHNICAL CHARACTERISTICS:**PHYSICAL CHARACTERISTICS:**

	Part A only	Catalyzed	Tolerance	U.O.M.	Method
Specific Weight (20°C/68°F)	0,949	,951	± 0,025	Kg/l	ME14
Specific Weight (20°C/68°F)	7,925	7,942	± 0,100	lb/USgal	ME14
Viscosity DIN4 (20°C/68°F)	55		± 2	Sec	ME16
Weight solids	28.9	30.6	± 1	kg/kg	ME15
Volume / weight solids	25.05	30.25	± 1	l/kg	ME15
Volume solids	23.8	28.75	± 1	l/l	ME15
VOC	71.07		± 1	%	
VOC	673.07		± 10	g/l	
VOC	5.35		± 0,1	lb/USgal	
Flash Point	<23 C/73 F				ME12

THEORETICAL YIELD (Dry film thickness, A+B)

30 micron	8.889	m ² /kg	ME82
1 mil	891.6	Sqft/USgal	ME82

Recommended application quantity: 120-140 gr/m² (5 to 6 wet mils) per single coat, max. 250 gr/m² (10 mils) in two coats.

DRY TIMES:

Dust free	15	Minutes	ME81
Dry to touch	30	Minutes	ME81
Thoroughly dry	➤ 24	Hours	ME81
Stackable	➤ 6	Hours	ME81

Tunnel cycles: the product can be stacked in a short time if the drying is carried out with forced drying systems. In case of stacking, check the final results in the working conditions before proceeding with the processing. For further and more detailed information, consult the technical staff of our laboratory.

DRY FILM (Characteristics)

Good surface hardness and chemical resistance. Exceeds 20 cold-check test cycles (ME30 method – ref. UNICHIM N510). Light resistance UNI 9427: level 5 Resistance to chemical agents EN 12720: class B (according to UNI 10944) Resistance to temperature changes: UNI EN ISO 9429: level 5.

SUBSTRATE TYPES AND PREPARATION

The supports that are generally used are light natural or lightly dyed woods. An acrylic sealer is recommended, acrylic sealer 9905 / R282, one or more coats depending on the desired coverage. Sand the sealer well before applying the topcoat.

APPLICATION PROCEDURE:

Spray: Gravity cup gun, airless or airmix. Ambient humidity between 40 and 70%. Depending on the desired coverage, the product can be applied in one or two coats, spaced 60 to 90 minutes apart without intermediate sanding.

SUBSEQUENT TREATMENT

Once dried, the product does not require any subsequent treatment. If a further finishing coat is required, it is necessary to sand after at least 24 hours and re-coat.

ADDITIONAL INFORMATION

The catalysts 9950 / A699 should be used; non-yellowing of an aliphatic nature. This product, properly diluted, can also be used as a top coat, applying the first coat directly on raw wood and the subsequent one after sanding, to create open-pore cycles.

STORAGE AND SHELF LIFE

Attention, the product must be stored in its original containers, away from heat sources, at temperatures between + 5 ° C (+ 41 ° F) and + 35 ° C (+ 95 ° F). The product kept in the aforementioned conditions has a stability of 24 months from the date of production.

The indications of this newsletter are the result of numerous experiments and should be considered as excellent orientation indicators. However, the methods of application and processing systems are very varied, therefore no guarantee can be assumed for each individual case. This updated version cancels and replaces previous editions.