QUANTUM COLOR T4850

sikkens
WOOD COATINGS
INTERIOR

TECHNOLOGY

PU Acrylic

PRODUCT TYPE

Topcoat

PRODUCT DESCRIPTION

2k Solvent-based, semi-matt, lightfast, very well-filling pigmented topcoat system. Colour mixing system for the creation of almost any colour according to Sikkens, RAL, NCS, etc. or to your own sample.

- Outstanding coverage even after a single coat
- High sag resistance
- Easy to paint on vertical surfaces
- Maximum ring and scratch resistance
- Maximum hardness
- Good sealing and filling properties on raw MDF (even in damp rooms)
- Can be used on suitable surfaces without filler



COLOUR

WHITE / BLACK / BLUE / BORDO / YELLOW / YELLOW ORANGE / GREEN / OCKER / OXIDE RED / RED / RAL 9010 / RAL 9016

GLOSS LEVEL

20% hardener: 20 ± 2
10% hardener:13 ± 2

SHELF LIFE

24 months in original, unopened package

STORAGE CONDITIONS

Keep cans tightly sealed, in a well ventilated place, with controlled temperature between 10 and 30°C

SOLID CONTENT

approx 45% ±5% depending on colour

DENSITY (SPECIFIC WEIGHT)

approx 1,10 ±0,10 kg/l depending on colour

DELIVER VISCOSITY

90 ± 6 sec. DIN 4

PREPARATION OF SUBSTRATES

	Raw wooden surfaces.	P180, P240, P320
	Exotic wood / woods rich in extractives	Coat with Quantum Color IP350
	MDF - not affected by moisture	Apply Quantum Color P340 until a closed, even surface is obtained. Final sanding of primer with grain size P280 - P320.
	MDF - affected by moisture	Apply Quantum Color IP350 until a closed, even surface is obtained. Final sanding of the primer with grain size P280 - P320.

HARDENER

Hardener	Ratio (by weight)	Pot Life
HPU6300	10%	Up to 8h
HPU6300	20%	Up to 4h

THINNING

TPU 9300-F, Fast drying
TPU 9301-S, Slow drying

APPLICATION METHOD

Stir thoroughly!
Mix and apply the product as described under "Hardener" and "Thinning"

Pot life 20°C, 65% rel. humidity:
10% hardener: up to 8h
20% hardener: up to 4h

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APPLICATION

		
Spray pressure (bar)	1.5 - 3.0	90 - 120
Nozzle size (mm)	1.6 - 2.0	0.23 - 0.28
Thinner to be added (%)	10 - 30	0 - 10
Processing viscosity DIN 4mm (sec.)	30 - 40	40 - 60
Layer Thickness (g/m²)	120 - 200	150 - 200

DRYING TIME @ 20˚C

Dust dry	10% hardener: at least 15 minutes 20% hardener: at least 25 minutes
Touch dry	10% hardener: at least 45 minutes 20% hardener: at least 60 minutes
Sandable	10% hardener: at least 2 hours 20% hardener: at least 2 hours
Ready for transport	10% hardener: at least 12 hours 20% hardener: at least 16 hours

GENERAL INSTRUCTION

Aftertreatment

After sanding with P280-320, the surface can be reworked at any time with the same product. With a mixing ratio of 10:1, reworking with PUR paints is possible within a maximum of one working day (8 hours). After this time, intermediate sanding is necessary shortly before further processing to ensure a perfect bond. With a mixing ratioof 5:1, the reworking time is max. 4 hours. After this time, intermediate sanding is also necessary here to ensure intermediate adhesion. With a mixing ratio of 10:1, finishing with a lightfast clear coat system, e.g. Quantum 260-xx is recommended. With a mixing ratio of 5:1, finishing with a clear coat is not necessary.

Special notes

After a minimum drying time of 14 days, surfaces mixed with 20% hardener obtain a robust, easy-to-clean anti-graffiti surface. Do not process and dry PU lacquers below 15° C. PU hardeners are affected by moisture. Always store the hardener in tightly closed original batches. When using PU hardeners, always follow the safety instructions on the label. PU hardeners can be stored in the closed original container at a cool and dry place for a maximum of one year.

Maximum application quantity for MED 2014/90/EU per application (g/m²): 120µm

TEST STANDARDS



DIN 68861/1B Chemical exposure of furniture surfaces
EN 71-3 Migration of soluble heavy metals

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