

TECHNICAL DATA SHEET

2K POLYURETHANE HIGH GLOSS CLEAR COAT (2:1)

PRODUCT DISCRITION

(NOBEL PUV420 2:1) Is a 2K polyurethane high gloss clearcoat.

Uses

used for furniture and wooden articles when good resistance to wear, various chemical agents and changes to temperatures is required

It is used for room, kitchen and public furniture, bathroom fittings and interior woodwork including doors, partitions, built-in closets, ceilings, wall-paneling, etc.

product features

fast drying

excellent resistance to scratching and abrasion

high transparency

technical information

Finish	Gloss/smooth
Color	Clear
Solid content	37%±2
Density at 25°	.9±.02kg/l
Viscosity	3500 cp
Gloss level /60	88-92 GU (angle 60°)



Substrate and surface preparation

is used over solid wood, veneer, plywood, etc. for sealing of wooden substrates in preparation for the application of transparent coatings

Surface must be clean and free from oil grease dirt limescale and any other foreign contaminant

Sandpaper is applied in the direction of the wood grain and it is taken into account to wipe the dust

Close the pores by repeated application of sealer of Nobel product

Application

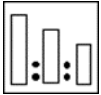
(Nobel puv420) pu clearcoat can be applied by spraying

(Nobel H320 PU Hardener)

Nobel a810 PU Thinner-normal

Nobel a820 PU Thinner-slow

NOTE: Nobel ax830 slow thinner is recommended for high temperatures



Mixing ratio: 100:50:15-20

Hardener: (Nobel H 320)

Thinner: Nobel a810- 820

Pot life: 3-4 hours at 25 °C

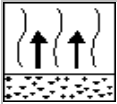


Spray gun tips:

	Spray Nozzle	Inlet pressure	Atomization pressure
Compliant	1.6-1.8	2 bars (26- 29 psi)	
HVLP	1.6-1.8	2 bars (26- 29 psi)	0.7bar (8-10 psi)
Conventional	1.6-1.8	3-3.5 bar (45-50 psi)	

Refer to the spray gun manufacturer's recommendation.

Drying time



3- 4 hr between coats



Drying time at :
Dry to touch: 3-4 h/25°C
Dry to handle: 8 h/25°C

color

transparent

Theoretical coverage

1. 5 – 7 m²/kg per coat at 60-70 microns dft
2. Practical coverage depends on several factors including shape, roughness and porosity of the object to be painted, spraying equipment used, application methods, application conditions, film thickness, etc.
3. For best results, it is always recommended to test the products on scrap pieces of wood before startpaint job

Shelf life

3 years from production date stored in original packaging at normal conditions. And away from direct sunlight and heat

Health and Safety

1. For full Health and Safety information please refer to the Material Safety Data Sheet.
2. Observe the precautionary notices displayed on the container.
3. Good ventilation must be provided in the working environment