Technical datasheet

ELEGANT PLUS

Product description

A high-performance, two-component (2K) acrylic-based coating system engineered specifically for Natural Wood, Wood Veneer, and MDF. Formulated to provide superior clarity, long-lasting appearance retention, enhanced weatherability, and chemical resistance, the range features a Two-Pack Clear Sealer along with Clear Gloss topcoat.

Performance benefits:

- Higher coverage with Superior clarity that enhances the natural beauty of wood and veneer
- Excellent appearance retention for long-lasting aesthetic appeal
- Enhanced weatherability for durable performance under varying environmental conditions & Good water & chemical resistance
- Strong adhesion on Natural Wood, Wood Veneer, and MDF substrates
- High surface hardness with good flexibility for a durable yet resilient finish
- Smooth, premium-quality finish with high gloss appearance
- Non-yellowing acrylic technology for sustained transparency and visual appeal
- Free from added lead, mercury, and chromium

Recommended use

Applicable for finishing of furniture's, wooden crafts, MDF boards, veneers, plywood etc.

Technical Data (Typical Indicative values)

Properties	Clear Sealer Base	Clear Gloss Base
Viscosity, In Sec, FCB4 Cup	50 ±10	50 ±10
Specific Gravity, gm/Lt	0.98 ± 0.03	0.98 ± 0.03

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Coverage Sq. meter/ltr/Coat at 30 Micron DFT	13-14	13-14
Properties	**Clear Sealer Base**	**Clear Gloss Base**
Surface dry (at 30˚C & 65% RH)	< 45 minutes	< 1hr
Tack Free Time (at 30˚C & 65% RH)	< 12 hrs	< 12 hrs
Hard Drying (at 30˚C & 65% RH)	Overnight	Overnight
Gloss @20	NA	Minimum 85
Shelf Life for Bases & Hardener in month	24	24

Actual coverage & gloss may vary from the mentioned value due to factors such as method & condition of application and surface roughness as well porosity.

Storage conditions: Products should be kept in originally packed tightly closed condition maintained at 25^0C.

Product Description & Product code

Elegant Plus Premium PU Clear Sealer:

Product code	Product Description	Base: Hardener (V/V)	Recommended % of Thinner
BNU001	Elegant Plus Premium PU Clear Sealer-Base	4:1	30-40%
BNUKB3	Elegant Plus Premium PU Clear Sealer Hardener		

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Elegant Premium PU Clear Gloss:

Product code	Product Description	Base: Hardener (V/V)	Recommended % of Thinner
BNV001	Elegant Plus Premium PU Clear Gloss-Base	4:1	30-40%
BNVKB3	Elegant Plus Premium PU Clear Gloss-Base Hardener		

Recommended Application

Elegant Premium PU Clear Gloss:

Product	Application method	Thinner	No of coats	Application Viscosity (Secs)	Recoating Period (hrs)
345991+345KB3 1:1(by volume)	Spray/Cloth Application	NA	2 (by Spray) 4-5 strokes (by hand)	14-17 Secs	3-4 Hrs.(should not exceed 24 hrs.)
Sand the seasoned wooden surface using waterproof paper (180) along the grains. Repeat the sanding smoothly with finer grade of waterproof paper (220/320) and then wipe off the loose dust particles. Apply the Imperia Epoxy Block Primer coating & let it dry for minimum 3-4 hours.					
Product	**Application method**	**Thinner**	**No of coats**	**Application Viscosity (Secs)**	**Recoating Period (hrs)**
BNU001+BNUKB3(Clear Sealer) 4:1(by Volume)	Spray application	T31900	2	14-17 secs	6-8 Hrs (should not exceed 72 hrs)
Do a light sanding of Imperia Epoxy Block Primer applied panel with waterproof paper (400) then apply Elegant Premium PU Clear Sealer & let it dry for at least 8-12 hours. Sand 1st coat with waterproof paper (220-320) and wipe off the dust particles followed by 2nd coat of sealer & left it for full hard dry for at least 24 hours.					
Product	**Application method**	**Thinner**	**No of coats**	**Application Viscosity (Secs)**	**Recoating Period (hrs)**
BNV001+BNVKB3(Clear Gloss) 5:1(by Volume)	Spray application	T31900	2	14-17 secs	24 Hrs (should not exceed 72 hrs)
Sand the sealer coat with waterproof paper (320-400) then apply Elegant Plus Premium PU Clear Gloss & let it dry for at least 24 hours followed by light sanding with waterproof paper (600) & wipe off the dust particles then apply 2nd coat of Elegant Premium Plus PU Clear Gloss. Let it dry for at least 24 hours before handling the substrate.					

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Post Application instructions

The base and hardener should be preserved with tightly closed respective containers and preferably be consumed within one week of its use. During application, masking of the adjoining area to be done to avoid the spray dust. For removing stains and spray dust on adjoining metal and tile surfaces, PU thinner can be used.

Pack Sizes & Shade Range

Elegant Plus Premium PU Clear Sealer Combo Pack 4:1 (BNU/991) – 1. L,4.L

Elegant Plus Premium PU Clear Gloss Combo Pack 4:1 (BNV/991) – 1. L,4.L

Storage & Handling

1.	Storage	Store in cool and dry place. Keep away from source of ignition. Keep container tightly closed, out of children reach and away from food.
2.	Disposal	Do not pour left over product down the drain or any water course. Dispose in accordance with local regulation.
3.	Flash Point for Bases	Above 4^0C (Abel Closed Cup)
4.	Flash Point for Hardener	Above 22^0C (Abel Closed Cup)

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SAFETY INFORMATION

1.	Fire hazard Class	Flammable
2.	Safety Precaution	Kindly refer to the MSDS for Elegant Plus PU. Ensure good ventilation during storage, application & drying of product. Wear protective clothes & gloves. Smoking is prohibited while painting. A suitable dust nose pad should be worn when rubbing the surface. Avoid inhaling the vapour. Wear eye protector during application. In case of contact with eyes, rinse immediately with plenty of water.
DISCLAMER		The information contained within this data sheet is based on information believed to be reliable at the time of its preparation. The company will not be liable for loss or damage howsoever caused including liability for negligence, which may be suffered by the user and the data contained herein. No guarantee of results is implied since conditions of use are beyond our control. Products undergo continuous improvement. The technical data in this catalogue are therefore subject to change.

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