Technical datasheet

Wood Keeper Melamine 24 Carat Advanced

Product description

It is a high performance two component Premium Melamine clear system specially designed for Natural Wood & Wood Veneer. It consists of Sealer, Matt, Glossy & Ultra Glossy version of the product range.

Performance benefits:

Durability

- **Scratch & Abrasion Resistant**: Protects the surface from everyday wear and tear & Forms a hard layer that extends the life of wooden furniture.

Stain & Chemical Resistance

- Resists stains from food, oils, water, and common household cleaners.

Aesthetic Enhancement

- Available in glossy and matte finishes.
- Enhances the natural look and grain of the wood, giving it a rich, polished appearance.

Easy to Clean & Maintain

- Smooth finish makes it easy to wipe down with a cloth.
- Less likely to absorb dust or grime.

Faster Drying Time

- It is quicker to dry compared to traditional varnishes therefore Reduces project time during furniture manufacturing or renovation.

Good for Indoor Use

- Suited for interior furniture, especially in living rooms, bedrooms, and offices.

Pleasant Application Experience

- Comfortable Application Experience: Formulated to provide a more pleasant application experience, making it suitable for interior furniture finishing.

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- **Recommended use**

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

Technical Data (Typical Indicative values)

	Melamine Sealer	Melamine Matt Clear	Melamine Glossy Clear	Melamine Ultra Glossy Clear
Viscosity, In Sec, FCB4 Cup	70 ± 10	70 ± 10	80 ± 10	80 ± 10
Specific Gravity, gm/Lt	1.03 ± 0.03	1.03 ± 0.03	1.00 ± 0.03	1.00 ± 0.03
Coverage Sq. meter/ltr/Coat at 30 Micron DFT	10-Sep	13-Dec	14-15	14-15
Mixing Ratio	9:01	9:01	9:01	9:01
% Thinner Intake	30-40	30-40	30-40	30-40
Gloss values, at 60^0	Not applicable	10 ± 5	Not applicable	Not applicable
Gloss values, at 20^0	Not applicable	Not applicable	Minimum 80	Minimum 80
Surface dry (at 30˚C & 65% RH)	< 30 Min	< 30 Min	< 60 Min	< 60 Min
Tack Free Time (at 30˚C & 65% RH)	< 6 Hr	< 6 Hr	< 8 Hr	< 8 Hr

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Hard Drying Time (at 30˚C & 65% RH)	Overnight	Overnight	Overnight	Overnight
Shelf Life in months for the originally packed tightly closed condition maintained at 25^0C	18	18	18	18

Recommended Application

Sand the seasoned wooden surface using emery paper (180) along the grains. Repeat the sanding smoothly with finer grade of emery paper (220/320) and then wipe off the loose dust particles.

Apply the coatings as follows:

Products	**Product Code**	**Thinner**	**Dilution% (by vol)**	**Application Viscosity (Secs)**	**Recoating Period (hrs)**
Berger Melamine 24 Carat adv Sealer, 1st coat, Spray application	KL7H25 & KL7C82 in 9:1 Ratio	Melamine Thinner (899/900)	30-40%	14-17 secs	6-8 Hrs (should not exceed 72 hrs)
Sand with emery paper (320 or 400) and wipe off the dust particles					
Berger Melamine 24 Carat adv Sealer,2nd coat, Spray application	KL7H25 & KL7C82 in 9:1 Ratio	Melamine Thinner (899/900)	30-40%	14-17 secs	6-8 Hrs (should not exceed 72 hrs)

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Sand with emery paper (320 or 400) and wipe off the dust particles (Apply more coats depending on requirement and clean before top coat application)					
Berger Melamine 24 Carat adv Matt / Berger Melamine 24 Carat adv Gloss finish, 1st coat Spray application	KL70GA & KL7C82 in 9:1 ratio (matt) / KL7373 or KL7BRY & KL7C82 in 9:1 ratio (glossy)	Melamine Thinner (899/900)	30-40% for Matt & Glossy	14-17 secs	3-4 Hrs (should not exceed 72 hrs)
Sand with emery paper (320 or 400) and wipe off the dust particles					
Berger Melamine 24 Carat adv Matt / Berger Melamine 24 Carat adv Gloss or Ultra Gloss finish, 2nd coat Spray application	KL70GA & KL7C82 in 9:1 ratio (matt) / KL7373 or KL7BRY & KL7C82 in 9:1 ratio (glossy)	Melamine Thinner (899/900)	30-40% for Matt & Glossy	14-17 secs	3-4 Hrs (should not exceed 72 hrs)
Sand with emery paper (320 or 400) and wipe off the dust particles (Apply more coats depending on finish requirement and clean before top coat application)					

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 in order to avoid the spray dust. For removing stains and spray dust on adjoining metal and tile surfaces, Melamine thinner can be used.

Pack Sizes & Shade Range:

Berger 9:1 Melamine 24 Carat Advanced Sealer (KL7H25) – 1L, 4 L, 20 L

Berger 9:1 Melamine 24 Carat Advanced Matt (KL70GA) – 1L, 4 L, 20 L

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Berger 9:1 Melamine 24 Carat Advanced Glossy (KL7373) – 1L, 4 L, 20 L

Berger 9:1 Melamine 24 Carat Advanced Ultra Glossy (KL7BRY) – 1L, 4 L, 20 L

Storage & Handling

1.	Storage	Store in cool and dry place. Keep away from source of ignition. Keep container tightly closed, Keep 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	Above -10^{0}C (Abel Closed Cup)

SAFETY INFORMATION

1.	Fire hazard Class	Flammable
2.	Safety Precaution	Kindly refer to the MSDS for Berger Melamine 24 Carat Advanced. 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.
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