



# Technical datasheet

## IMPERIA TRENDZ

### Product description

It is a high performance acrylic based systems specially designed finishes for Natural Wood, Wood Veneer & MDF. It consists of Two Pack Clear Gloss, Hammered Pearl, Zinc & One pack Filament finish in the product range.

### Performance benefits:

- A specially designed Non yellowing acrylic system.
- Customized special finishes, Products can be customized to create unique artistic effects like Hammered pearl effect, Zinc Foil Effect, Filament effect.
- Has lowest odour in its category.
- It has the best scratch resistance as well as Hardness in its class and holds value for money.
- No 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 Gloss Base	Hammered Pearl Base	Zinc Effect	Filament
Viscosity, In Sec, FCB4 Cup	30 ±10	40±10	30 ±10	45 ±10
Specific Gravity, gm/Lt	0.94 ± 0.03	0.94 ± 0.03	0.94 ± 0.03	0.92 ± 0.03
Coverage Sq. meter/ltr/Coat at 30 Micron DFT	12-13	12-13	8-10	NA

Properties	Clear Gloss Base	Hammered Pearl Base	Zinc Effect	Filament
Surface dry (at 30°C & 65% RH)	< 1hr	< 1hr	< 1hr	< 10 Min
Tack Free Time (at 30°C & 65% RH)	< 12 hrs	< 12 hrs	< 12 hrs	< 30 Min
Hard Drying (at 30°C & 65% RH)	Overnight	Overnight	Overnight	Overnight
Shelf Life for Bases in month	24	24	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°C.

## Product Description & Product code

### Imperia Trendz Acrylic Clear Gloss:

Product code	Product Description	Base: Hardener (V/V)	Recommended % of Thinner
0H3001	Imperia Trendz Acrylic Clear Gloss-Base	4:1	30-40%
0H3KB3	Imperia Trendz Acrylic Clear Gloss-Base Hardener		

**Imperia Trendz Hammered Pearl Finish:**

Product code	Product Description	Base: Hardener (V/V)	Recommended % of Thinner
OH5001	Imperia Trendz Hammered Pearl Base	4:1	30-40%
OH5KB3	Imperia Trendz Hammered Pearl Hardener		

**Imperia Trendz Zinc Finish:**

Product code	Product Description	Base: Hardener & Powder (V/V)	Recommended % of Thinner
OH3001	Imperia Trendz Clear Gloss Base	4:1 Followed by ≈300% Powder of the total Base+ Hardener E.g.: 800 ml Base+ 200 ml Hardener+3kg of Zinc Powder	30-40%
OH3KB3	Imperia Trendz Clear Gloss Hardener		
OH4991	Imperia Trendz Zinc		

**Imperia Trendz Filament Finish**

Product code	Product Description	Base: Hardener & Powder (V/V)	Recommended % of Thinner
OI5991	Imperia Trendz Filament	NA	NA

## Recommended Application

### Imperia Trendz Acrylic 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)
KHX001+KHXKB3(Clear Sealer) 2:1(by Volume)	Spray application	T12(30-40% total base+hardener)	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 Imperia Gold Clear Sealer & let it dry for at least 6-8 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)
OH3001+OH3KB3(Clear Gloss) 4:1(by Volume)	Spray application	T31(30-40% total base+hardener)	2	14-17 secs	24 Hrs (should not exceed 72 hrs)
Sand the sealer coat with waterproof paper (320-400) then apply Imperia Trendz 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 Imperia Trendz Clear Gloss. Let it dry for at least 24 hours before handling the substrate.					

## Imperia Trendz Hammered Pearl Finish

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)
KHY001+KHYKB3(White Sealer) 2:1(by Volume)	Spray application	T12(30-40% total base+hardener)	2	17-20 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 Imperia Gold White Sealer & let it dry for at least 6-8 hours. Sand 1st coat with waterproof paper (220-320) and wipe off the dust particles followed by apply 2nd coat White 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)
KH3001+KH3KB3(White Matt) 2:1(by Volume)	Spray application	T12(30-40% total base+hardener)	1	17-20 secs	6-8 Hrs (should not exceed 72 hrs)
Sand the White Sealer coat with waterproof paper (320-400). Apply Tinted Imperia Gold Matt(For e.g. 10 shots of Yellow Oxide(P90) of Imperia Gold Colorant in 1 Litre pack of Imperia Gold White Matt). apply Tinted Imperia Gold White Matt & let it dry for at least 24 hours.					
Product	Application method	Thinner	No of coats	Application Viscosity (Secs)	Recoating Period (hrs)
OH5001+OH5KB3(Hammered Peral) 4:1(by Volume)	Spray application	T31(30-40% total base+hardener)	1	17-20 secs	Not Applicable
Do a light sanding of the Matt base with waterproof paper (600) & apply Hammered Pearl.Apply one thick coat by conventional spray method, followed by apply in the form of droplet by lowering the application pressure from a suitable distance, allow it to dry for overnight.					

Product	Application method	Thinner	No of coats	Application Viscosity (Secs)	Recoating Period (hrs)
OH3001+OH3KB3(Clear Gloss) 4:1(by Volume)	Spray application	T31(30-40% total base+hardener)	5-6	14-17 secs	24 Hrs (should not exceed 72 hrs)
Light Sand the Hammered Peral coat with waterproof paper (400) then apply Imperia Trendz Clear Gloss & let it dry for at least 24 hours, repeat the same process for applying the Imperia Clear Gloss until desired finish is achieved. Normally it takes 5-6 coats to mitigate the trough & crest and to achieve a smooth finish.					

#### Zinc Finish

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)
KHY001+KHYKB3(White Sealer) 2:1(by Volume)	Spray application	T12(30-40% total base+ hardener)	2	17-20 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 Imperia Gold White Sealer & let it dry for at least 6-8 hours. Sand 1st coat with waterproof paper (220-320) and wipe off the dust particles followed by 2nd coat of White 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)
(0H3001+0H3KB3) 4:1 Followed by ≈300% Powder of the total Base+ Hardener 0H4991	Spray application	T80(30-40% total base+ hardener)	6-8 coats (Wet on Wet 5-10 mins interval)	20-25 secs	Not Applicable
Apply 6-8 coats Imperia Trendz Zinc finish (Wet on Wet in 5-10 mins interval) by spray let it dry for overnight. Dry sand with 220 & 320 waterproof paper & follow the water sanding sequence with waterproof paper no 400,600,800,1000,1200,1500,2000. Buff the panel with appropriate buffing paste followed by polishing with appropriate polishing cream to get the desired Metallic finish.					
Product	Application method	Thinner	No of coats	Application Viscosity (Secs)	Recoating Period (hrs)
0H3001+0H3KB3(Clear Gloss) 4:1(by Volume)	Spray application	T31(30-40% total base+ hardener)	2	14-17 secs	12 Hrs (should not exceed 72 hrs)
Applying Imperia Trendz Clear Gloss is optional. <b>Don't buff or polish if Clear Gloss finish desired.</b>					

#### Filament Finish

Product	Application method	Thinner	No of coats	Application Viscosity (Secs)	Recoating Period (hrs)
345991+345KB3 1:1(by volume)	Spray/Cloth Application	NA	1(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)
KHY001+KHYKB3(White Sealer) 2:1(by Volume)	Spray application	T12(30-40% total base+ hardener)	2	17-20 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 Imperia Gold White Sealer & let it dry for at least 6-8 hours. Sand 1st coat with waterproof paper (220-320) and wipe off the dust particles followed by apply 2nd coat White 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)
KH3001+KH3KB3(White Matt) 2:1(by Volume)	Spray application	T12(30-40% total base+ hardener)	1	17-20 secs	Not Applicable

Sand the White Sealer coat with waterproof paper (320-400). Apply Imperia Gold White Matt & let it dry for atleast 24 hours.

Product	Application method	Thinner	No of coats	Application Viscosity (Secs)	Recoating Period (hrs)
0I5991	Spray application	NA	1	30-40 secs	Not Applicable

Do a light sanding of the Matt base with waterproof paper (600). Tint Imperia Trendz Filament Base with suitable Imperia Gold Colourants of your choice, up to 15%(V/V) Max Imperia Gold Colorant can be added to Imperia Trendz Filament Base (e.g. for 1 Litre of Imperia Trendz Filament Base 240 shots of Imperia Gold Black colorant-P89 can be added) Apply Imperia Trendz Filament by conventional spray application method maintaining minimum 2 feet distance from the panel.

Product	Application method	Thinner	No of coats	Application Viscosity (Secs)	Recoating Period (hrs)
0H3001+0H3KB3(Clear Gloss) 4:1(by Volume)	Spray application	T31(30-40% total base+ hardener)	2-3	14-17 secs	24 Hrs (should not exceed 72 hrs)

Apply Imperia Trendz Clear Gloss maximum after 45-60 minutes after the application of Filament finish. Repeat the same process for applying the Imperia Clear Gloss until desired finish is achieved.

## 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

Imperia Trendz Clear Gloss Combo Pack 4:1 (0H3/991) – 1 L

Imperia Trendz Hammered Pearl Combo Pack 4:1 (0H5/991) – 1 L

Imperia Trendz Zinc Combo Pack 4:1 (0H4/991) – 3 kg



## 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°C (Abel Closed Cup)
4.	Flash Point for Hardener	Above 22°C (Abel Closed Cup)

## SAFETY INFORMATION

1.	Fire hazard Class	Flammable
2.	Safety Precaution	<p>Kindly refer to the MSDS for IMPERIA TRENDZ. Ensure good ventilation during storage, application &amp; drying of product. Wear protective clothes &amp; gloves. Smoking is prohibited while painting. A suitable dust nose pad should be worn when rubbing the surface. Avoid inhaling the vapour.</p> <p>Wear eye protector during application. In case of contact with eyes, rinse immediately with plenty of water.</p>
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