WOODKEEPER RAINBOW

Product Description

Wood keeper rainbow luxury polyurethane is a 2-component interior and exterior wood coating product that comes in variants of White Primer Surfacer, White satin, White Gloss, Clear Satin & Clear Gloss. The top coats can be tinted from our Imperia gold tinting machine to obtain vibrant shades for your wood- let it be dark, mid-tone of pastels. The product has extremely good flexibility which can take the shuttle variations of the wooden substrade- a normal phenomenon often happens with the change of temperature. All the top coats come in 4:1 mixing ratio, Primer surfacer white comes in 9:1 mixing ratio. Same thinner (T31900) to be used for both Primer surfacer White & top coats.

Application Procedure

Surface Inspection:
Before coating the wood, undertake repairs for surface imperfections –dents, cracks, undulations etc.

Scraping:
Remove loose particles, paints, dirt, fungus, algae, moss, salt deposits in MDF by dry sanding – use Sandpaper No. 120 followed by 150 for solid wood & ply. Use Sandpaper No. 220 followed by 320 for veneer & MDF.

Berger Recommended Tool:
Berger Wood Sander with variable header and speed regulating options, equipped with a dust collector.

Crack Bridging & Dent Filling:
Use WoodKeeper Fill-O-Dent of appropriate colour, matching colour of wood or tint with CB Colourants/Wood Stainer and use the paste to fill up dents in wood by layered application with a putty knife.

Sanding: Dry sanding with Sandpaper No. 220.

Berger Recommended Tool: Berger Wood Sander.

Prevention of Oil/Resin/Tannin/Leaching:
Apply Imperia Epoxy Block Primer (Mixing ratio – 1:1, no thinner) with cloth – 1 or 2 coats, with intermediate sanding using Sandpaper No. 320 between coats, allowing an interval of 2 hours.

Primer Surface Application:
Apply Rainbow Primer surface (9:1). Minimum 2 coats by spray with intermediate sanding of each coat with Sandpaper No. 320 within 3-4 hours.

Tinting Base for Topcoat:
There are 4 tinting bases – Rainbow Clear Gloss (4:1) and Rainbow Clear Satin (4:1) – For Dark & Midtone shades. Rainbow White Satin (4:1) & Rainbow White Gloss (4:1). Both interior and exterior shades available.

Tinted Topcoat Application:
Min. 2 Coats are required to achieve desired finish with intermediate dry sanding done – Using water paper no. 400/600 for Satin, in case of Gloss Sanding to be done using water paper no. 600/800. For best results allow 5-6 hours of intermediate drying time between 1st and 2nd coat application.

Prescribed Thinners & Dilution:
T31 Thinner for all components (Primer Surface and Topcoats). Thinner dilution in each case will be 30-40% of the overall mixture volume of Base + Hardener mixture.

Mixing Ratio of Rainbow Premium Polyurethane:
Mixing ratio of Rainbow Category is 4:1 except Rainbow Primer Surface which is 9:1.

Note

• WoodKeeper Rainbow Premium Polyurethane is based on Combatiliser technology with crystal clear hues • Imperia Gold machine colorants are to be used to tint Rainbow tinting bases • In surface preparation if the wood seems oily in nature, it is always prescribed to wipe the wood with a cloth soaked in PU Thinner by applying pressure, before applying the WoodKeeper Fill-O-Dent • WoodKeeper Fill-O-Dent if tinted with CB Colorants or Wood Stainer can be diluted with water, only after thoroughly mixing the colours to form a homogenous paste • Never apply WoodKeeper Fill-O-Dent on Epoxy Block Primer due to probable adhesion failures, always try the reverse • Base & Hardener to be sold together as a single commodity (Individual pieces not for retail sales). Colorants additional & costs extra.

	Clear Gloss Base	Clear satin Base	Primer Surfacer Base	White Gloss Base	White Satin Base
Viscosity, In Sec, FCB4 Cup/Poise	160 ± 5	55 ± 5	10 ± 3Poise	100 ± 5	180 ± 5
Specific Gravity, gm/Lt	1.03 ± 0.01	1.02 ± 0.01	1.60 ± 0.05	1.26 ± 0.03	1.28 ± 0.03
Coverage Sq. meter/ltr/Coat at 30 Micron DFT	12-13	10-11	9-10	12-13	12-13
Gloss values, at 20°	90 ± 5	Not applicable	Not applicable	90 ± 5	Not applicable
Gloss values, at 60°	Not applicable	30 ± 5	Not applicable	Not applicable	40 ± 5
Surface dry	← 3 hr	← 2 hr	← 1 hr	← 3 hr	← 2 hr
Hard Drying	Overnight	Overnight	Overnight	Overnight	Overnight

Safety Norms: Fire hazard class - flammable. Kindly refer to the MSDS. Ensure good ventilation during storage, application and drying of product. Wear protective clothes and 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. Please keep out of reach of children & away from foodstuffs.