

Wellcoat Paints

Painting Solution



Wellcoat Paints
Wood Coatings
Product Data Sheet

MAXIWOOD EXTERIOR POLYURETHANE

Maxiwood exterior polyurethane is an exterior quality long life polyurethane lacquer based on acrylic base & aliphatic isocyanate hardener. The product with beautiful surface quality is highly resistant to aggressive physical & chemical environment like heat, light, weathering, alcohol, beverages, solvents, scratch, impact & other mechanical stresses in conformity with DIN 68861-1B. Presence of aliphatic isocyanate, UV inhibitor & special biocides make the product, non yellowing, non chalking, resistant to termite & other micro organism & flexible enough to withstand wood's dimensional variation.

Maxiwood exterior polyurethane is available in pigmented & lacquer (gloss/matt/silk-matt) form. It is a high solid product hence one full & one half coat application gives satisfactory performance. It's water like appearance enables it's use over light colored wood.

The product out performs all other wood coatings in short & long term performance by many times.

PRODUCT

- Very long life without yellowing & chalking
- Suitable over any wood or wood substitute e.g Veneer, MDF & other absorbent wood surfaces with equal efficiency
- Physical & Chemical resistance in conformity with DIN 68861-1B
- Exterior application over light, medium & dark colored wood.
- Available in various sheen level
- Flexible to withstand wood's dimensional variation.
- Mirror like gloss

FEATURES

- Solution acrylic & Aliphatic isocyanate
- UV inhibitor
- Combination biocide for protection of substrate against white ant, bluestain, tarmite & other micro organisms.
- Catalyst to accelerate/ decelerate drying time
- Moisture scavenger

COMPOSITION

Hard ,Soft woods, Fibre board, Veneer etc. Designed specifically for exterior use but can be used for interior purpose with equal efficiency.

RECOMMENDED USE

Conventional spray, automatic sprinkler are most recommended method of application. Brush application is suggested only if application area is small. Ensure wood is dry, clean, free from grease & other organic contaminants, well sanded & dusted. Soak the surface with PU thinner with the help of sponge or rag for 10 minutes before application (Very useful on hard wood surface).

Apply two coats of Maxi wood PU sanding sealer with a gap of max 10 minutes between the coats. This is a two part product. Mix Base, Hardener & Thinner if required as per ratio mentioned in the can. Mix thoroughly & wait for 10 minutes before application for effervescence to subside. Allow to dry & thoroughly sand the surface after 20 minutes, dust off & clean the surface. Apply one & half coats of Maxiwood PU exterior. Ensure adequate ventilation during mixing ,application and drying. Do not apply when humidity exceeds 95% and condensation is likely. Only apply coating when surface temperature is 3°C or more above dew point.

May require additional 5-7% thinner depending on ambient temperature & method of application. In case of pigmented system apply PU primer surfacer followed by top coat as above.

SURFACE PREPARATION & APPLICATION

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Finish	: Smooth with excellent flow & surface characteristics.
Gloss at 60°C	: Gloss > 95% Intense matt 5-10% Silk matt 30-35%
NVM%	: 48-50%
Supply viscosity	: 80-85 sec B4/30 deg C
Mixing ratio	: Base : Hardener = 2:1 (vol)
Thinner/ Tool cleaner	: WT -3
Method of Application	: Conventional spray, Automatic sprinkler & small area by brush
Pot life	: 12 hrs at 25 deg C
Recoating interval	: 4 hrs
Theoretical Coverage	: Approx 10 m ² /lt at 35 microns DFT.
Practical coverage	: would depend on the surface profile, application skill & method, loss in the container.
Drying time	: Surface dry 30 minutes Hard & Stackable dry over night
Chemical & Mechanical resistance	: Passes DIN 68861-1B
Pack size	: IUSG & 5 USG

SPECIFICATION & OTHER INFORMATION

Storage & Disposal	: Store in cool, dry condition. & dispose by controlled land fill as per requirement of statutory authority. Don't empty into drains, sewers or other water courses.
Avoid part use from the Hardener pack	: Hardener pack & never keep the lid of hardener pack open.
Flash Point	: 22°C
Shelf Life	: Upto 12 months in closed condition.

STORAGE & HANDLING

- Contains isocyanates. Avoid contact with the skin and eyes. Wear suitable protective clothing such as overalls, goggles, dust mask and gloves. Use a barrier cream.
- Ensure that there is adequate ventilation in the area where the product is being applied. Do not breathe vapour or spray.
- This product is flammable. Keep away from sources of ignition. Do not smoke. Take precautionary measures against static discharge. In case of fire, blanket flames with foam, carbon-dioxide or dry chemicals.
- Eyes & Skin : In the event of accidental splashes, flush eyes with warm water & wash skin with mild soap and seek quick medical advice. Never use solvent for cleaning the affected areas.
- Inhalation & Ingestion : Remove to fresh air, loosen collar. Don't induce vomiting.
- Refer MSDS for details.

SAFETY PRECAUTION & FIRST AID

The Product information sheet is meant for general information of the product. Optimal performance by the product would be achieved on correct selection of paint & painting system , proper surface preparation & application. Unless specifically agreed in writing by us we won't be responsible for 100% performance of the product. Product information sheet would be subject to modification as & when product is modified/improved. Our endeavor would be to keep you abreast of change.

DISCLAIMER