Polybois

TECHNICAL DATASHEET

WOOD STAIN

Polycolor Wood Stain is a pigmented solution or gel designed to enhance the natural grain of wood by adding color while still allowing the texture and pattern of the wood to show through. It is commonly used in both interior and exterior woodworking projects to achieve a desired aesthetic while offering some level of surface protection.

PRODUCT BENEFITS

- **Enhances Natural Wood Grain**: Penetrates into the wood to highlight and accentuate its natural beauty and grain pattern.
- **Adds Rich, Uniform Color**: Available in a wide variety of tones and shades, from light natural hues to dark, dramatic finishes.
- **Improves Surface Appearance**: Helps even out color inconsistencies and minimizes the look of surface flaws or patchy tones.
- **Protects Against Moisture**: Many wood stains provide a degree of water resistance, helping to prevent swelling, cracking, and warping (especially with exterior-grade stains).
- **UV Protection (Exterior Stains)**: Contains UV-blocking agents that reduce sun damage and fading on outdoor wood surfaces.
- **Prepares Wood for Topcoat Finishes**: Provides a color base under clear varnishes, polyurethane, or sealers to enhance both appearance and durability.
- **Easy Application**: Can be applied with brush, rag, or spray—easy for DIYers and professionals alike.
- **Versatile Use**: Suitable for various wood types and projects, including furniture, cabinetry, floors, decks, fences, and trim.
- **Re-coatable or Refreshable**: Can be easily refreshed or reapplied to maintain color and protection over time.

AREAS OF APPLICATION

- **Furniture**: Tables, chairs, cabinets, wardrobes
- **Flooring**: Hardwood floors, parquet
- **Wood Panelling**: Wall panelling, ceilings, decorative trim
- **Stairs & Railings**: Handrails, stair treads, balusters
- **Doors & Frames**: Interior doors, moldings, skirting boards
- **Decking**: Wooden patios and outdoor floors
- **Fencing**: Wooden garden or boundary fences
- **Pergolas & Gazebos**: Exposed wooden structures
- **Outdoor Furniture**: Benches, tables, chairs (with UV- and weather-resistant topcoat)
- **Facades & Cladding**: Wooden siding or decorative exterior panels

PRODUCT FEATURES

Surface	Interior and Exterior
Available Pack	1L and 5L
Standard colors	Black, Brown, Mahogany, Sapele, Teak, Yellow, Prune, Acajou and Dark Oak
UV resistant colors	Sico Teak, Sico Wenge and Sico Brown
Shelf life	1 year from date of manufacture in original tightly closed containers.
Coats	As per requirement
Touch dry	5-10 minutes @ 25 – 35 °C
Over-coat	10-20 minutes @ 25 – 35 °C

SURFACE PREPARATION

1. **Inspect the Wood Surface**

- Check for cracks, holes, or damage.
- Fill minor imperfections with **wood filler** (use a stainable filler if staining).

2. **Sand the Surface**

- **Purpose:** Opens wood pores for better stain absorption and removes imperfections.
- Start with **medium-grit (120–150)** sandpaper.
- Finish with **fine-grit (180–220)** sandpaper.
- Always sand **in the direction of the grain** to avoid scratches.

3. **Clean Off All Dust**

- Remove sanding dust using:
- A **vacuum** or **tack cloth** or slightly damp microfiber cloth
- Avoid using compressed air, as it can drive dust into the wood grain.

4. **Degrease If Needed**

- For oily or resinous woods (like teak or pine), wipe down with **mineral spirits** or denatured alcohol.

5. **Pre-Stain Wood Conditioner**

- Use a **wood conditioner** especially on softwoods (e.g., pine, fir, birch) to ensure **even stain penetration** and prevent blotchiness.
- Apply and let it sit per instructions.
- Stain within the recommended time frame (usually within 2 hours).

APPLICATION PROCESS

Method	:	Brush and Spray
Thinning	:	NC Thinner
Dilution	:	1:4 (Wood stain : NC Thinner)

POST PAINTING CARE

- **Allow Full Drying**: Ensure the coating has fully cured before exposing it to moisture.
- **Apply a Protective Topcoat (Strongly Recommended):** Stain alone provides color but **limited surface protection**
- Seal with: **Varnish** (satin, gloss, or matte) or **Polyurethane** (oil- or water-based)
- **Wax or oil finishes** (for a more natural feel): This improves resistance to **scratches, water, and UV rays**—especially for furniture, floors, and outdoor surfaces.
- **Dust regularly** with a soft, dry cloth.
- **Clean spills immediately** to prevent stains or watermarks.
- For sealed surfaces, clean with a **damp cloth** and mild soap; avoid harsh chemicals.

PRECAUTIONS

- Keep the filled area away from **water, humidity, and handling** for **24–48 hours** post-application.
- Store and dry the painted item in a **dust-free, ventilated area**.
- Ensure the surface is **completely dry** before applying the stain.
- Do **not** apply stain over a previously sealed, painted, or varnished surface unless it has been completely stripped and sanded.
- Stains work best on **bare wood**.

SAFETY AND ENVIRONMENT FEATURES

- Store the container with the tightly closed lid in an upright position, in a cool dry place.
- Keep out of reach of children and away from eating tables.
- May be harmful if swallowed. In case of ingestion seek immediate medical attention.
- Wear eye protection during application. In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
- In case of skin contact, immediately wash skin with soap and plenty of water. Get medical attention if irritation develops or persists.
- Do not breathe vapor or spray. It is recommended to wear suitable nose pad during sanding and surface preparation to avoid dust inhalation.
- Do not pour leftover paint down the drain or in water courses.
- In an event of spill, contain spillage using sand or earth.
- No added Lead, Mercury or Chromium compounds.

Left-Over paint disposal:

- Left-over paint/drums should not be disposed in soil/drains. Consumers should consult a local recycling agency for disposal of paint/drums.
- The pails/drums should not be used for storing food items.

DISCLAIMER
These recommendations are meant as a guide, no guarantee is implied since conditions of use, method of application and cleanliness of the substrate prior to painting are beyond our control.

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