Polybois

TECHNICAL DATASHEET

1K ACRYLIC SANDING SEALER

Achieve a flawless finish with **Polybois 1K Acrylic Sanding Sealer**, a high-performance acrylic base coat that dries rapidly to seal wood and eliminate grain raising. Formulated to fill micro-imperfections—including pores, craters, and crevices—it ensures maximum clarity and permanent non-yellowing protection. Ideal for demanding applications in premium furniture, cabinetry, and flooring industries.

PRODUCT BENEFITS

- **Flawless Base Preparation** – Fills surface imperfections and open pores to provide a perfectly level foundation for subsequent topcoats.
- **Rapid Cure Time** – Ready for sanding within 20 to 30 minutes, significantly accelerating production and finishing workflows.
- **Superior Intercoat Adhesion** – Maximizes bonding efficiency for finishing varnishes or clear lacquers, ensuring a long-lasting and resilient finish.
- **Effortless Sanding** – Formulated to prevent sandpaper clogging, allowing for smooth and easy abrasion.
- **Fiber Suppression** – Minimizes wood grain lifting, resulting in a significantly smoother and more refined ultimate surface texture.
- **High-Build Formulating Chemistry** – Delivers excellent dry film thickness per layer, minimizing the total number of applications required.
- **Uniform Color Development** – Controls substrate porosity to prevent uneven absorption of wood stains or decorative paints, promoting color consistency.

AREAS OF APPLICATION

- **Industrial Furniture Production** – Applied to wooden furniture pieces to seal open grains and structural blemishes before final clear coating.
- **Wooden Floors** – Seals and levels timber flooring panels prior to the application of protective wear layers.
- **Custom Cabinetry** – Secures a perfectly uniform surface on kitchen, bathroom, and commercial office cabinets.
- **Architectural Paneling & Fine Veneers** – Suited for sealing delicate veneers and interior wood panels to optimize their aesthetic appeal.
- **Crafting Musical Instruments** – Utilized in luthiery and instrument manufacturing to prepare guitars and pianos for flawless mirror finishes.
- **Joinery (Doors & Windows)** – Used on interior wooden doors, casings, and window frames for a highly polished appearance.
- **Wooden Artwork & Decor** – Enables artisans and hobbyists to achieve a sleek, commercial-grade finish on decorative woodwork.

PRODUCT FEATURES

Surface	Interior
Available Pack	1L, 5L and 20L
Shelf life	1 year from date of manufacture in original tightly closed containers.
Coverage	15 m^2/L
Finish	Matt
Touch dry	30 minutes @ 25 – 35 °C
Sand after	1 h @ 25 – 35 °C

SURFACE PREPARATION

Substrate Cleaning – Verify that the wood surface is completely free of dust, oils, grease, and other surface impurities.
Initial Sanding – Abrade the raw timber using 120-grit abrasive paper to smooth out structural irregularities.
De-dusting – Wipe away all sanding debris using a vacuum system or a clean tack cloth to ensure a pristine surface.
Sealer Application – Apply the coating uniformly using a high-quality brush or conventional spray equipment.
Intercoat Sanding – Once dry, sand lightly with 220-grit abrasive paper to smooth out the surface profile before subsequent coats.
Curing Window – Allow the sealed layer to dry thoroughly before proceeding with additional coats or final topcoat

APPLICATION PROCESS

Method	:	Brush and Spray
Thinning	:	NC Thinner
Dilution	:	2:1= Brush 1:1= Spray

POST PAINTING CARE

- **Allow Full Drying** – Ensure the sealer has completely dried before applying any topcoat.
- **Gentle Cleaning** – Use a soft cloth to remove dust; avoid harsh chemicals that may degrade the finish.
- **Avoid Excess Moisture** – 1K Acrylic Sanding Sealer is not waterproof, so keep surfaces dry.
- **Protect from Scratches** – Use felt pads under furniture to prevent abrasion.
- **Periodic Maintenance** – If needed, apply a clear lacquer or varnish to refresh the finish.

PRECAUTIONS

- Keep the filled area away from **water, humidity, and handling** for **24–48 hours** post-application.
- Do **not wash, polish, or expose** the surface to chemicals during this period.
- Store and dry the painted item in a **dust-free, ventilated area**.
- Ideal temperature: **20–30°C**
- Avoid direct sunlight or extreme temperatures during drying and curing.

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.
- Nitro sanding sealer is **highly flammable**, so keep it away from heat sources.
- Only use **manufacturer-approved thinners** to maintain product integrity.
- 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.

Polytol Paints

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