

BROOKSIDE POLYFLEX

KRAFT PAPER BACKING

Technical Bulletin

Composition

Brookside Veneers introduces Polyflex, the newest technology in paper backing material. This specially formulated and engineered backing is produced by impregnating Kraft paper with a proprietary polymer resin system. In most applications, the unique qualities of Polyflex make it a viable alternative to phenolic backing.

Advantages

- Superior strength (less brittle than commercial laminate backings)
- Water-resistant
- Flexible (.020 standard thickness)
- Economical compared to phenolic
- Resistance to shrinkage

Limitations & Storage

Polyflex is for interior use only. It can be bonded to various substrates including MDF, particle board and cabinet grade plywood. Most cold setting adhesives, such as PVA or contact cement, can be used. The Polyflex and the substrate must reach equilibrium moisture content before gluing. This usually requires exposing all materials to ambient conditions for a minimum of 48 hours (70°F - 75°F; 45 - 50% relative humidity). Because Polyflex has a higher moisture resistance than other paper backings, it is important to note that when using a PVA adhesive, a solid content of 55% or higher is preferred. Contrary to other backings, Polyflex adheres better to the substrate with less PVA glue. It is recommended that 3 - 5 wet mils (7.5 - 12.6 grams) be applied. Consult your adhesive manufacturer for open time, spread rate, curing time, and pressure application.

When properly stored, Polyflex is a very stable product with unlimited shelf life. Store Polyflex in a cool, dry location.

MSDS sheets are available upon request.



Installation Methods

Surface Preparation

Use proper safety precautions such as eye and respiratory protection prior to working with COLORPLY lumber. We recommend sharp tools and a dust collection system.

Finishing

COLORPLY lumber can be stained and should be finished. The finishing steps required are similar to conventional lumber. First, sand the surface of COLORPLY to achieve a smooth surface. Second, depending on the final finish, apply sealer coats. Finally, apply the top coats using standard wood finishes such as oil, lacquer, varnish, or urethane. Follow the finish manufacturer's instructions. Please refer to the limitations section of this sheet.

Maintenance

Because a top coat is required, the final surface must be cleaned and maintained in accordance with the recommendation of the finishing manufacturer.

Storage and Handling

Store COLORPLY lumber in a completely supported flat position. Wrap the COLORPLY with plastic to maintain the moisture content.

Limitations

COLORPLY is not recommended for exterior use. Pigments are sensitive to ultraviolet light, and all woods will fade or change color with prolonged exposure to light. Certain pigments, such as pastel colors, are more sensitive to light and extra care must be used to protect them from UV exposure. A UV inhibiting finish is recommended.

COLORPLY lumber is not inert. It is sensitive to ambient atmosphere conditions such as temperature and moisture. It is essential that COLORPLY be properly acclimated to atmospheric conditions prior to use.

Because COLORPLY is a lamination, it cannot be dried conventionally. Therefore, WE DO NOT WARRANT AGAINST CUPPING, WARPING, OR SPLITTING. Particularly with thicker pieces, use and machine COLORPLY as soon as possible after receiving it.

Limited Warranty

Brookline® COLORPLY is warranted to be free from defects in materials and workmanship. Any such defects must be reported to your distributor within ten (10) days of date of delivery. During this warranty period we will repair or at our option replace, free of charge, such merchandise as shall prove to be defective. THIS WARRANTY DOES NOT APPLY TO DAMAGE RESULTING FROM ACCIDENT, ALTERATION, MISUSE, TAMPERING, NEGLIGENCE, OR ABUSE. INCIDENTAL AND CONSEQUENTIAL DAMAGES ARE SPECIFICALLY DISCLAIMED. ALL OTHER WARRANTIES (INCLUDING ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR ANY PARTICULAR PURPOSE) ARE HEREBY EXCLUDED. THE FOREGOING SHALL CONSTITUTE THE SOLE AND EXCLUSIVE REMEDY OF CUSTOMER.



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