KEDING Interior Surface Solutions

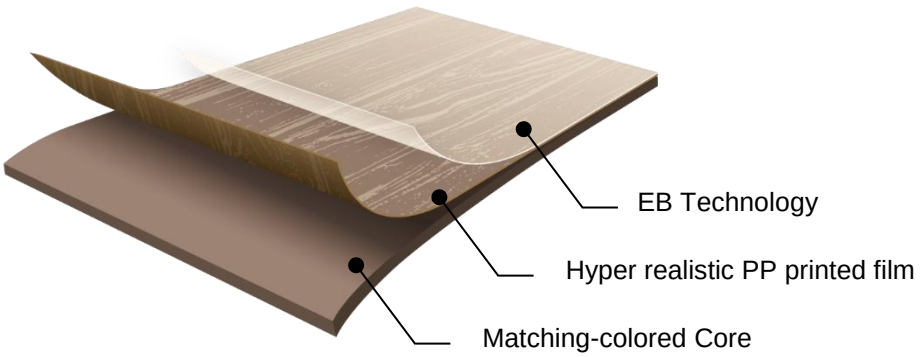
KD ECO+ Laminates Technical Data Sheet

Product Information

KD ECO+ Laminates - the eco-friendly alternative to traditional laminates. With their unique seamless layer design that eliminates the traditional black edges, KD ECO+ Laminates offer a fresh and natural look, setting them apart from standard laminates in the market. Enjoy the beauty of KD ECO+ Laminates while making an environmentally conscious choice for your projects.

Product Characteristics

- Standard Size: 2440 x 1220 mm, 3050 mm, 3660 mm and custom lengths up to 12 meters manufactured to order.
- Thickness: 1.0 mm (+/- 0.1mm)
- Surface Treatment: ECO+ Laminates feature a surface made of PP film and are certified by SGS. Using advanced EB technology, the surface is strengthened to be sun-resistant, and resistant to fading. It also offers enhanced scratch, chemical, and wear resistance, along with flame-retardant properties.
- Product Structure:



- Extreme Temperature Test: ECO+ Laminates have a temperature resistance range of -20°C to 120°C, and certified by SGS for extreme temperature test. This product will not crack, swell, peel or fade within this temperature range.
- Ease of Maintenance: ECO+ Laminates will not dissolve, discolor, or stained when exposed to acid, alkali solvents, alcohol, dirt, etc. Light stains and dirt can be wiped off directly with a damp cloth when necessary.

- Test Reports:

Test Type	Qualification	Results
Flame Retardancy Grade 1 SGS CNS 7614	Remaining flame time (sec) ≦ 1	0.0
Formaldehyde Emission SGS CNS 8058	Emission of formaldehyde ≦ 0.05mg/L (MDL)	N.D.
TVOC Test USEPA5021	Detected Limit : 1ppm	N.D.
Alkali Resistance SGS CNS 10757	No abnormality even immersed in Alkali	Remain unchanged
Acid Resistance SGS CNS 10757	No abnormality even immersed in Acid	Remain unchanged
Stain Resistance SGS CNS 10757	Occur without shortcomings when in touch with 95% ethanol and coffee	Remain unchanged

Storage & Handling

The storage conditions of ECO⁺ Laminates:

- Should be stored horizontally and fully supported, with the top sheet turned face down.
- Should not be in direct contact with floor or exterior walls.
- Should be stored in a well-ventilated area (at a moderate ambient temperature), protected from sun, heat, extreme humidity or arid conditions.
- To prevent bending and cracking, care should be taken when handling the sheets. If rolling is necessary, avoid rolling against the grain, as this may cause ECO⁺ Laminates to crack. Storing ECO⁺ Laminates in rolls is not recommended. To prevent damage or mishandling, ECO⁺ Laminates should always be moved or lifted by at least two people.

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Applications

KD ECO⁺ Laminates is ideally suited for use on interior surfaces. The surface has a peel-off PP (Polypropylene) protective film to protect the surface during delivery and application. Color uniformity and quality of the surface should be checked before working with the laminates.

- Substrate: KD ECO⁺ Laminates is not a structural material and must be adhered to a suitable substrate having a clean and flat surface such as particleboard, medium-density fiberboard (MDF), high-density fiberboard (HDF), sheetrock, plywood, etc. The substrate must be smooth and free of grease, wax, dust, oil, silicones, and other foreign matter. All uneven areas must be sanded or filled, ensuring the surface is flat. The substrate must be uniform in thickness. This product is designed for standard woodworking applications.
- Adhesives: KD ECO⁺ Laminates may be glued with many of the conventional adhesives used with wood-based Laminates. Please check with your adhesive supplier to ensure that the adhesive you select is suitable for your application and is safe for Polypropylene. Follow the adhesive manufacturer's instructions for application and the preparation of the substrate.
- Lamination: Allow KD ECO⁺ Laminates sheets to acclimate to the same ambient conditions (temperature and humidity) for a minimum of 48 hours prior to lamination. Cold pressing is recommended for this product.
- Edging: All edges of KD ECO⁺ Laminates should be covered with KD ECO⁺ edge banding and ABS.

Cleaning and Maintenance

We suggest using a damp cloth with mild water for cleaning purposes. For more stubborn stains use damp cloth with alcohol.

Keding Enterprises Co, Ltd warrants that KD ECO⁺ Laminates products conform to accepted merchantable quality. In the event of any dispute, the warranty of Keding Enterprises is limited to the replacement the material alone.