



iZone Spec Sheet

Manufacturer

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Product Composition

Digital graphic surface papers encapsulated with melamine resins are pressed over 100% recycled post-consumer kraft paper core sheets impregnated with phenolic resin. These sheets are then bonded at pressures greater than 1000 pounds per square inch at temperatures approaching 300°F (149°C). Finished sheets are trimmed, cut to shape. The 0.040 backs are sanded to facilitate bonding.

Recommended Uses

iZone's product is suitable for use in museums, zoos, parks and wildlife parks, municipal applications, hiking trails, parking garages, swimming pool areas, murals, and many more.

0.040" is most frequently used for work surfaces on counters, islands, vanities, desks and tables. Typical vertical uses include surfacing for wall panels, murals, teller cages and the front panels of workstations, such as those in hospitals, airports and restaurants. Type 0.040 is produced for both horizontal and vertical interior applications where the surface must be functional, durable and decorative. The back-side is sanded to facilitate bonding and must be adhered to a suitable substrate. Not recommended for exterior use.

0.060" is most frequently used for reader rails, Interpretive, graphics, and some murals. These laminates need to be mechanically fixed with screws, frames, etc. These laminates can be used outdoors if properly mounted.

0.090" is most frequently used for reader rails, interpretive graphics, murals, way finding, and directional's. The 0.090 is a National Parks standard for the NPS frames. These laminates need to be mechanically fixed with screws, frames, etc. These laminates can be used outdoors if properly mounted. This product can also be made double sided with images on both sides, however the double-sided graphics need to be mechanically fastened to prevent any warping.

0.125" is most frequently used for double sided flip-books, way finding, interpretive graphics, murals, and directional's. These panels need to be mechanically fixed with screws, frames, etc. These panels can be used outdoors if properly mounted.

0.250" is most frequently used for double sided flip-books, way finding, interpretive graphics, murals, and directional's. These panels need to be mechanically fixed to a substrate or along the edges with screws, frames, etc. These panels can be used outdoors if properly mounted.

0.500" has a smooth black back and is self-supporting. Most used in areas where free-standing elements and shaped panels are required. Can be produced double-sided. May be drilled and tapped to accept a 1/4"-20 bolt for mounting, or drilled through for mounting from the front. Mostly used in exterior applications where durability is needed.

0.750" has a smooth black back and is self-supporting. Most used in areas where free-standing elements, shaped panels and table tops are required. Can be produced double-sided. May be drilled and tapped to accept a 1/4"-20 bolt for mounting, or drilled through for mounting from the front. Mostly used in exterior applications where durability is needed.

Finishes

- MATTE: The Fine Grain premium finish features, a subtle, narrow grain structure, low glare.

Recommended for horizontal and vertical application.

- SATIN: A textured finish which reproduces a high sheen. Recommended for horizontal and vertical application.

- ICE: A very finely beaded texture that minimizes smudges and finger marks and improves scratch resistance. Recommended for horizontal and vertical application.

Finish Availability

All finishes are available on all exterior and interior products.

Standard Sheet Widths

48"

1219mm

Standard Sheet Lengths

144"

3658mm

Sizes

Press limitations are 5' x12'. Any sizes larger than our limits will need to be tiled and index-cut.

Technical Data - iZone graphic laminates and panels

iZone 0.040 sanded back laminates must be bonded to a substrate of reliable quality, such as particleboard, medium density fiberboard or plywood with one A face. High-pressure laminate, plaster, concrete and gypsum board should not be considered suitable substrates. Laminates may not be used as structural members and are not considered exterior grade. iZone 0.040 laminates are somewhat more brittle than

standard industrial grade laminates. Is not recommended for exterior use. Do not subject iZone interior grade to extremes in humidity, temperatures higher than 275°F (135°C) for substantial periods of time, or intense, direct sunlight.

Bond with adhesives and follow the techniques recommended by the adhesive manufacturer. To avoid stress cracking, do not use square-cut inside corners. All inside corners should have a minimum of 1/8" (3.175mm) radius and all edges should be routed smooth. Give special attention to edges and seams. Use permanent adhesive to reinforce contact adhesive at corners, along edges and at seams.

Drill oversized holes for screws or bolts. Screws or bolts should be slightly countersunk into the face side of a laminate-clad substrate. This will allow for expansion and contraction. Take care to ensure an appropriate acclimation between the laminate and the substrate prior to fabrication. The face and backing laminates and the substrate should be conditioned in the same environment for at least 48 hours before fabrication. Recommended conditioning temperature is about 75°F (24°C). Laminates should be conditioned at 45% to 55% relative humidity for interior installation.

Carbide-tipped saw and router blades should be used for cutting. High tool speed and low feed speed are advisable. Cutting blades should be kept sharp. Use a hold-down to prevent any vibration.

Maintenance

The decorative surface may be cleaned with warm water and mild soaps, such as those used for hands or dishes. Do not use cleansers that contain abrasives, acids or alkalis; they will damage the decorative surface. Remove stubborn stains with a 2-minute exposure to hypochlorite bleach such as Clorox®, followed by a clean water rinse. Edges should be wiped with a liquid wax, like Thompson's Water Seal annually. We recommend that you not allow any of the following agents to remain in contact with the decorative surface:

1. Hypochlorite bleach, except as described above
2. Hydrogen peroxide solution
3. Mineral acids, hydrochloric acid such as Lime-A-Way™, sulfuric or nitric acid
4. Caustic solutions containing greater than 2% lye, such as Drano®
5. Sodium bisulfate, such as Sani-Flush®
6. Potassium permanganate
7. Berry juices
8. Silver nitrate, in 1% concentration or greater
9. Gentian violet
10. Mild silver protein, such as 20% argyrol
11. Bluing
12. Fabric dye, such as Tintex® or Rit®
13. Alcohol containing 1% iodine in solution

Edges should be wiped with a liquid wax, like Thompson's Water Seal annually.

Warranty Statement

This warranty is effective as of February 10, 2009 for purchase of iZone products purchased on and after February 10, 2009.

Blind Dog Productions, Ltd. dba iZone ("Manufacturer") warrants that under normal wear and use, the workmanship and materials used in the iZone® product purchased from the Manufacturer will meet the standards set forth on the applicable specification and that the product will not delaminate, peel, blister, crack or fade for a period of ten (10) years from the date of purchase. PLEASE NOTE THAT SOME DEGRADATION OF MATERIALS AND GRAPHICS OVER TIME IS CONSIDERED NORMAL WEAR, THEREFORE THIS LIMITED WARRANTY APPLIES TO QUALITIES THAT CAN BE DETECTED VISUALLY FROM A NORMAL VIEWING DISTANCE.

In the event that the product does not perform as warranted:

- (a) Manufacturer shall be allowed to conduct an on-site inspection and investigation,
- (b) Manufacturer shall work directly with the end-user to resolve any warranty matter,
- (c) The sole remedy will be the repair or replacement of the defective product, at the sole discretion of the Manufacturer.
- (d) The repair or replacement by Manufacturer shall be limited to the remanufacture and shipment of the replacement or repaired product to the site of the end-user's product.

This warranty only applies to the manufacture and material used in manufacture of the product. Manufacturer shall not be liable for any other costs, including but not limited to installation, labor or other costs or expenses.

This warranty shall not apply to defects or damage arising from any of the following:

- 1. Accidents, abuse or misuse;
- 2. Exposure to extreme temperature;
- 3. Improper fabrication or installation; or
- 4. Improper maintenance.

NO OTHER WARRANTIES, EXPRESS OR IMPLIED, ARE MADE, INCLUDING MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. UNDER NO CIRCUMSTANCES SHALL MANUFACTURER BE LIABLE FOR ANY LOSS OR DAMAGE ARISING FROM THE PURCHASE, USE OR INABILITY TO USE THIS PRODUCT, OR FOR ANY SPECIAL, INDIRECT, INCIDENTAL, OR CONSEQUENTIAL DAMAGES. NO ONE, INCLUDING BUT NOT LIMITED TO ANY AGENT OR EMPLOYEE OF MANUFACTURER, HAS THE AUTHORITY TO MODIFY THE OBLIGATIONS OR LIMITATIONS OF THIS WARRANTY.

This warranty gives you specific legal rights, and you may also have other rights which vary from state to state; therefore, some of the limitations stated above may not apply to you. It is to your benefit to save your documentation upon purchase of a product.