



100% Paper - 100% Recyclable - 100% Unique

### THE UNIQUELY SUSTAINABLE, 100% PAPER DISPLAY BOARD

- DISPA® is the new paper board from 3A Composites, comprised of a uniquely laminated core of embossed/structured paper with flat, smooth facers ideal for printing
- The embossed structure that forms the central layer of DISPA gives it strength & rigidity, and prevents “read-through” or “fluting” that occurs when corrugate material is printed
- Excellent for digital and screen printing applications
- Good for CNC cutting as well as die cutting
- Can be V-cut or creased and folded to create dimensional displays
- Extremely lightweight for easy handling & installation
- Good dimensional stability - signs stay flat
- Fast, efficient, and easy processing - even with hand tools
- Available in an interior and exterior grade product
- All papers are purchased from suppliers that have a Forest Management Certification
- 100% Recyclable!

#### DISPA | A Uniquely Sustainable Solution

- Bright white, smooth paper surfaces provide excellent print results
- Ideal for pre-printed double-sided offset litho sheet lamination
- Excellent solution for short term, interior promotional campaigns

#### NEW! DISPA SIRIUS | Color Excellence in Digital Printing

- Premium paper facers with ColorPRO Technology optimized for digital printing
- Delivers sharp details, lines & text for clear, eye-catching graphics
- Specialized paper designed for enhanced color saturation, rapid ink absorption, & fast dry time

#### NEW! DISPA OUTDOOR | For Short Term Exterior Applications

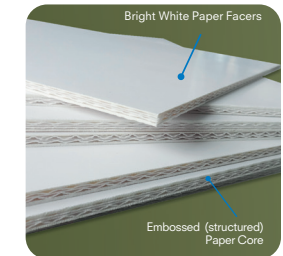
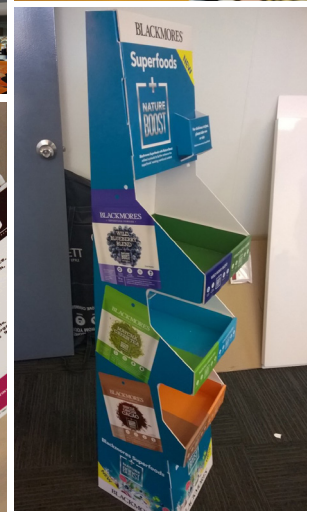
- Exterior grade paper suitable for short term, outdoor promotional signage & displays
- Smooth white paper facers provide high quality print results

### APPLICATIONS

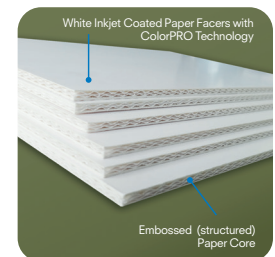
- POP / POS Displays
- Hanging Signage
- Window Displays
- Tradeshows & Exhibitions
- Promotional Campaigns
- Reprographics
- 3-Dimensional Displays
- Sophisticated Packaging
- Short term outdoor displays/signage (Exterior grade only)



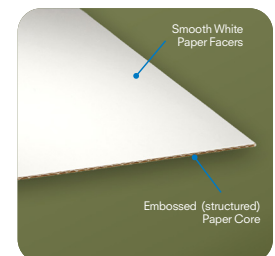
The mark of responsible forestry



DISPA



DISPA SIRIUS



DISPA OUTDOOR

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## PRODUCT AVAILABILITY

|               | Gauges        | Facers  | Core                 | Sheet Sizes                                   |
|---------------|---------------|---|----------------------|---|
| DISPA         | 3.8mm (0.15") | Bright White Coated Paper                     | White Embossed Paper | 49.2" x 90" (1250mm x 2286mm)                 |
| DISPA SIRIUS  | 3.3mm (0.13") | White Uncoated Paper with ColorPRO Technology | White Embossed Paper | B1 standard; (700mm x 1000mm / 27.6" x 39.4") |
| DISPA OUTDOOR | 2.2mm (0.09") | White Paper Facers                            | White Embossed Paper | 49.2" x 90" (1250mm x 2286mm)                 |

## TECHNICAL DATA

|  | DISPA                             | DISPA SIRIUS                      | DISPA OUTDOOR                    |
|--|-----------------------------------|-----------------------------------|----------------------------------|
| Weight per Unit Area (approx.)   | 850 g/m <sup>2</sup>              | 790 g/m <sup>2</sup>              | 760 g/m <sup>2</sup>             |
| Thickness  | 3.8 +/- 0.4mm                     | 3.3mm +/- 0.4mm                   | 2.2mm +/- 0.4mm                  |
| Surface Smoothness   | 275 (ISO 5627)                    | 11-12 (DIN 53107)                 | 130 (ISO 5627)                   |
| CIE L*a*b* (approx.)<br>L* = brightness (0=black; 100=white)<br>a* = red-green (-120=green; 120=red)<br>b* = yellow-blue (-120=blue; 120=yellow) | L* = 94<br>a* = 0.4<br>b* = 1.5   | L* = 94.3<br>a* = 1.1<br>b* = 1.9 | L* = 92<br>a* = -0.1<br>b* = 2.0 |
| PH-value<br>(Neutral = 7)  | 8.6 (DIN 53124)                   | 8.6 (ISO 6588)                    | 10 (ISO 6588)                    |
| Bending (Flexural) Strength  | 3.5 N/mm <sup>2</sup> (DIN 53423) | 3.0 N/mm <sup>2</sup> (EN 310)    | 8.0 N/mm <sup>2</sup> (EN 310)   |
| Width Tolerance  | +/- 5mm                           |                                   |                                  |
| Length Tolerance   | +/- 5mm                           |                                   |                                  |

## PROCESSING

- **Printing:** High quality results for UV-digital flatbed printing
- **Cutting:** Individual boards can be easily cut with a utility knife, or several can be cut with a guillotine or shear
- **CNC Processing:** For round shapes, an oscillating tool is recommended; for straight edges, drag tools are recommended; for V-groove cuts only new and sharp tools should be used.
- **Laminating:** Two-sided lamination is recommended; starch glue dries slower and the board retains its flatness better
- **Gluing:** Any kind of glue for paper can be used
- **Hanging:** Eyelets for banners are recommended

\*For additional processing guidelines, please refer to the complete Fabrication Guide on the website.

