DISPA®

DISPA®

Product- and processing information
Edition 02-2016

Content

1.Product

DISPA® at a glance

- Leightweight- easy to work with and hang
- Bright white and smooth surface
- Sign starts flat and stays flat
  - strong
  - rigid
  - stable
- 100% paper– 100% recyclable
  - Helping you to meet your environmental targets
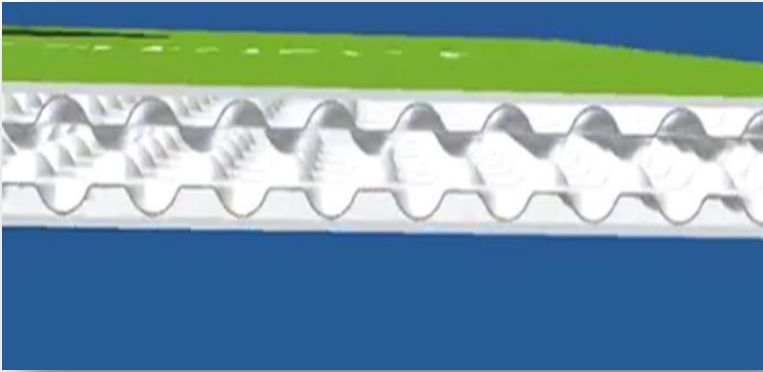
DISPA®

DISPA® at a glance

- Laminated structure from embossed formed paper using an innovative, unique and patented manufacturing process

- Easy processing

- Short delivery times of standard sizes

- Delivering the highest standards of quality concerning the 3A Composites policy
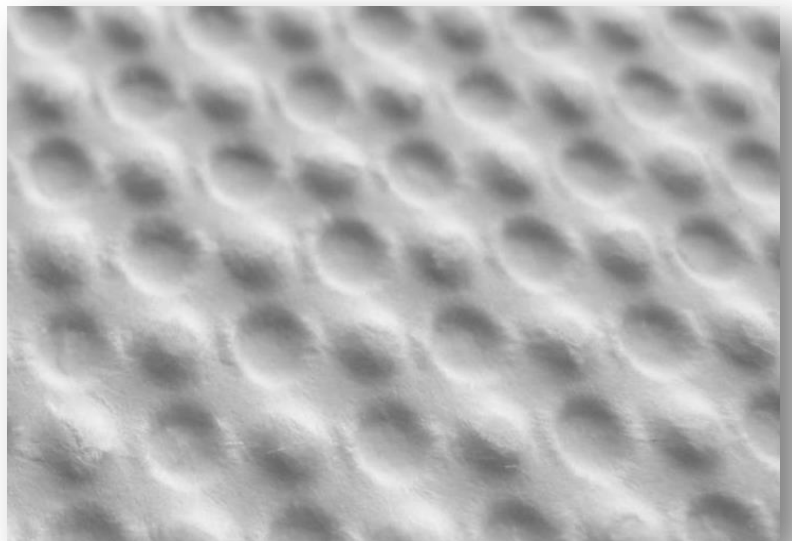
The core technology

- Result from extensive analysis and tests of various embossed profiles

    – No directional property stability
    – No directional property circulation of air
    – No outlines of the profile on the top layer

2. Product Handling

Product Handling

- ## Transportation:
  - Handle with care;
    DISPA® boards are fragile, take care of edges
  - Never transport DISPA® unpacked

- ## Storage:
  - Always flat
  - Temperature: 18-24°C
  - Rel. Humidity of the air: 45-60%

- ## Preparation before Printing or Laminating
  - Acclimatization of the board
    - Ideally 24 hours before use
    - In the same conditions where you will work (temperature and humidity)
    - Unwrap the foil of the palette

3. Product Applications

PRODUCT APPLICATIONS

Perfect substrate plate,
that will look as good when it is taken down
as it did on the day it was hung:

•Perfect solution for short term promotional campaigns
•Hanging signs
•Display and POS/POP applications

3. Product range

PRODUCT RANGE

Standard formats ex stock

Thickness in mm	Length in mm	Width in mm	Packaging unit sheets
3,8	1840	1250	250
3,8	2450	1250	250
3,8	1016	1524	250
3,8	3048	1524	250

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PRODUCT RANGE

Standard formats ex production

Thickness in mm	Length in mm	Width in mm	Packaging unit sheets
3,8	1840 / 2450	1250	125
3,8	1016 / 3048	1524	125

3A COMPOSITES

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PRODUCT RANGE

Special sizes on request

Thickness in mm	Length in mm	Width in mm	Minimum order in m²
3,8	1000 - 3050	1150 - 1524	1.000

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4. Processing

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4.1. Printing

- High quality results for UV- digital flatbed printing
- Intensity of the UV- lamps can be reduced because of the good adhesion to the surface.
  - If so: fullsize prints and/or high saturated colours, please tape the edges (i.e. crepe)

- Easy to use screen printing

For double sided applications one side has to be completely dry then the 2nd side can be printed.

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4.2. Cutting

- DISPA® can be quickly and easily cut with an utility knife

- With a paper guillotine / gate shear multiple sheets can simultaneously be cut to size

- By using a guillotine cutter a suffer board should be used on top, to have an evenly spreaded pressure of the pressing bar

- Alternativly you can widen the pressbar by attaching a thin solid material (PVC/grey carton , 3mm) underneath to get the same effect

4.3. CNC-Processing

- For cutting on a CNC- table we recommend for contours with radii oscillating knife

- For straight edges you could use a tangential knife.
  - Processing with this cutting type would be faster

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4.4. 3D Processing

Due to the evenly spreaded hemispheres of the core you can work on DISPA® in and against the running direction the same way

- **We recommend to use only new and sharp blades for V-groove cuts.**

- **The blades should only be used for DISPA®**
.
- **Otherwise: the middle layers could detach from the surface layers.**

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4.5. Die Cutting

- Settings of semiautomatic punching presses can be taken from bookbinding cartons.

- Die cutting tools can have toothed or smooth cutting lines.

- We recommend the use of foam rubber over the entire cutting surface for uniform distribution of pressure.

- Depending on the radius of the contour it would be enough to have the foam rubber only along the cutting lines. (apprx. 1cm)

- If there are creasing lines in your die cutting score,

- We recommend to use channels on the opposite site of the platen

4.6. Laminating

• Because of the growth behavior of paper only a two- sided lamination is recommended.

• Analogue to the application areas DISPA® are ideal for a double sided offset sheet lamination.

4.7. Gluing

- Any kind of glue for paper can be used.
    - Hotmeltglue
    - Solventglue
    - Solvent-free glue, etc.
    - PVA

Be aware: DISPA® is an paper based product. Paper is growing and shrinking in enviroment with humidity.

The more water the glue contains the more is DISPA® working.

5. Disposal

DISPOSAL

100% PAPER – 100% RECYCLABLE

DISPA$^®$ can be easily
disposed after use
in the paper waste.

DISPA$^®$