

Description

Dimensionals by Sands® creates a Three Dimensional look with a two dimensional PVC Inlay Sheet.

Product Properties

Master Sheet Size: 630mm (24.8”) Width x 1448mm (57.0”) Length

Pattern Orientation: Pattern (if applicable) is parallel to the length of the Master Sheet Size

Dimensionals Inlay Thickness: 8 mils and 12 mils (+/- 10%)

Dimensionals Inlay Color Choices: 13 basic patterns; custom patterns available upon request

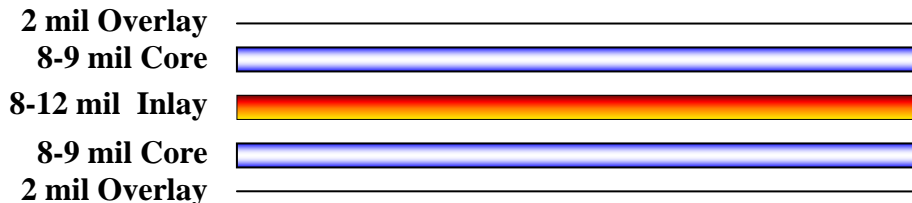
Process Recommendations

Printing: Compatible with standard solvent based inks.

Collation: Hand or Automated Equipment

Lamination: The sheets can survive standard lamination processes of 270°F (132°C). The *Dimensionals by Sands®* are self bonding to other PVC substrates.

Cutting: Compatible with standard cutting equipment.

Final Card Construction Diagram**Physical Characteristics**

| Physical Characteristics | Method | Result |
|---------------------------|---------|--------------------------|
| Specific Gravity | ISO1183 | 1.273 g/cm ⁻¹ |
| Tensile Strength | ISO527 | Velocity 50 mm/min |
| Tensile Modulus | ISO527 | |
| Tensile Strength at Break | ISO527 | 10-13 MPa |
| Extension at Break | ISO527 | 90-130% |
| Shore Hardness A | ISO868 | 85-88 |
| Shore Hardness D | ISO868 | |
| Immersion in Water 24 Hrs | | |
| Plasticizer Loss | | 0.01% |
| Water Absorption | | 0.14% |

Storage & Handling

We recommend that the material be stored in the original boxes received in – Horizontal, NOT Vertical. Material must also be stored in a temperature controlled environment of 15° to 27°C and 50% to 60% relative humidity to prevent inconsistencies in the sheets.

Product Numbering for Master Sheets

| Pattern Name | Product # | Orientation |
|-------------------|-----------|-------------|
| Oil Slick | DDA5540 | Yes |
| Zebra | DDA5560 | Yes |
| Silver Streak | DDA5590 | Yes |
| Midnight Stone | DDA5760 | No |
| Silver Stone | DDA5770 | No |
| Glacier | DDA5850 | Yes |
| Matrix | DDA6120 | Yes |
| Iced Pearl | DDA6230 | No |
| Iced Onyx | DDA6260 | No |
| Iced Prism | DDA6290 | No |
| Static | DDA6570 | No |
| Kaleidoscope | DDA7180 | No |
| Pearlescent Pools | DDA8130 | No |

Depending on the desired sheet size, the master sheet can be cut into multiple sections, therefore reducing the total number of sheets requested based on pattern orientation.

Please contact an H.W. Sands representative to better understand how to maximize the number of cards produced per master sheet and how the pattern orientation will affect this outcome.

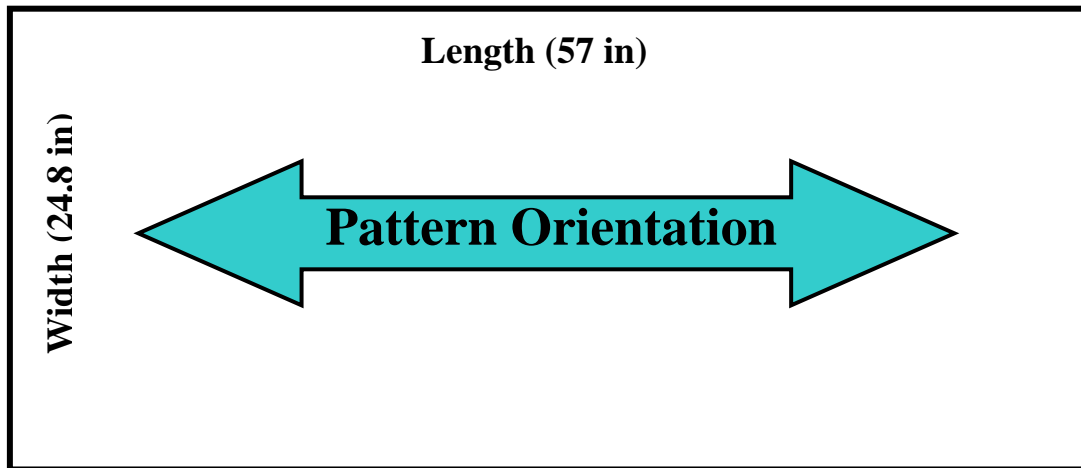
Ordering Example: 10,000 sheets requested with a sheet size of 12” Width x 20” Length.
1 Master Sheet = 24.8” Width x 57” Length

For those patterns that do NOT have an orientation, it is possible to cut 5 sheets at the requested size from 1 Master Sheet.
2000 Master Sheets will be quoted.

For those patterns that DO have an orientation, it is only possible to cut 4 sheets at the requested size from 1 Master Sheet. **2500 Master Sheets will be quoted.**

NOTE: Please specify whether you prefer a N/S or E/W pattern orientation if applicable.

Orientation Diagram



All applications using this product should be thoroughly tested prior to approval for production.

The information herein is believed to be reliable and is to assist customers in determining whether our products are suitable for their applications. However, no warranty, express or implied, is made as to its accuracy or completeness and none is made as to fitness of this material for any purpose. Our products are intended for sale to industrial and commercial customers. We request that customers inspect and test our products before use and satisfy themselves as to contents and suitability. Nothing herein shall constitute any other warranty, express or implied, including any warranty of merchantability or fitness, nor of protection from any law or patent to be inferred. All patent rights are reserved. The exclusive remedy for all proven claims is replacement of our materials and in no event shall we be liable for special, incidental, or consequential damages. We shall not be liable for damages to person or property resulting from its use. Consult the Material Safety Data Sheet for additional information.

