



## 1.1 NUVACOR VPS POLYMER SHEET PANELING

### A. General:

1. NUVACOR Surfacing material nominal .125 thickness or .250 thickness (Specify thickness to be used)
2. Manufacturer: Nuvacor Corporation, 430 Communipaw Avenue, Jersey City, NJ 07304 (201) 413-1776:
3. Basis-of-Design Product: Subject to compliance with requirements, provide Nuvacor Surfacing sheet with NU 102 Self Adhesive Back finished in (Specify Color or Graphic & Surface Finish). Example: Vanilla #54128 Matte Surface or Gloss Surface Finish as required, applied to a  $\frac{3}{4}$ " Fire Rated MDF Panel (For Panels being used as Bathroom Partitions, it would be better to use a Panel that would be less affected by water, possibly  $\frac{3}{4}$ " Plywood) or directly on to a correctly prepared sheet rock/drywall wall.

### B. Products:

#### Nuvcor VPS Polymer Sheets:

1. Low-Emitting Materials: Paneling meets or surpasses the guidance of ASTM standard D-5116-06 and D-6670-01, the US Environmental Protection Agency's testing protocol for furniture and the State of Washington's protocol for interior furnishings and paneling. Products meeting these allowable emission levels meet the requirement of LEED credit 4.5.

2. Nominal Thickness: Nuvacor Surfacing .125 (.250) as joined to subsurface paneling with  $\frac{3}{4}$ " MDF or Plywod, .875 nominal 7/8". (Or directly on to a prepared Sheet rock/Drywall Wall).
3. Specify Non Hard Coated Sheets for Vertical usage (Panels, Door Fronts, Desk Fronts) or Hard Coated Sheets for Horizontal Use (Counter Tops, Table Tops, All Horizontal High Wear & Tear Surfaces and some select Vertical Surfaces where additional Abrasion Resistance is required).

C. Execution:

1. For use in Bathroom Partitions, Prepare the Sub-Surface Material –  $\frac{3}{4}$ " Plywood by edge banding all edges with a White Melamine or HPL. Make sure not to remove the front protective paper or plastic on the front face of the Nuvacor sheets until the project has been completed and is installed. The protective masking will help to protect the face of the Nuvacor from any damage during cutting and fabrication.  
  
Apply a light coat of a Good Quality contact cement (high Neoprene solids) in a Natural Finish. No adhesive should be applied to the Nuvacor sheet. When the applied contact cement is fully dry to the touch Prepare the Nuvacor slightly oversized to the size of the wooden panel. DO NOT remove the protective Peel Coat off the back of the Nuvacor sheet yet. As long as the protective Paper has not been removed off the back of the Nuvacor sheet, the sheet can be placed on the contact cement prepped Board without fear of adhesion between the two surfaces. Once the Nuvacor has been placed correctly on the wooden sub-surface with enough overhang all around to flush trim, lift up one end of the Nuvacor sheet. Peel back approximately 12" to 15" of the release paper exposing the Self Adhesive back. Making sure that there is still enough overhang all around, join the two exposed surfaces and Bond the Nuvacor sheet to the sub-surface board. The Nuvacor will no longer move out of position. Go to the opposite side of the Nuvacor Sheet, lift up the

other end and as you remove the balance of the Release paper off the back of the Nuvacor sheet Permanently Bond the two surfaces together.

2. Use a 3 fluted carbide tipped trim bit to flush trim oversized Nuvacor panels to the size of sub-surface boards. CNC Routers can also be used for trimming and cutting to size.
3. Repeat on the opposite surface of the Bathroom Partition Panel. Once both sides have been flushed trimmed and any 'chatter' marks from the trimming have been removed, top and front edges will be ready to apply. Cut strips of Nuvacor long and wide enough from the Nuvacor sheet to cover the edges (approx.. 1" wide x length). Apply the top edge first, flush trim and then apply the front edge. You WILL NOT apply contact cement to the edge surface. You can apply a small amount of clear silicone (DOW 799) to the outside edges of the panels prior to removing the Release paper from the Nuvacor strips. When ready apply the Nuvacor (adhesive back exposed) directly to the Melamine or HPL applied banding and if silicone has been used press firmly in to place and clean any excess that may 'push out' with a paper towel or cotton cloth. If silicone has been used let edges set for at least 2 to 3 hours. Once edges have set, flush trim any overhanging excess on either side. With an Orbital Sander and 100 grit sandpaper and then 320 Sandpaper sand and round over the outside edges to a point where they meet the side wall Nuvacor of the Partitions. If the Surface Finish specified is Matte, this is the final step. If the Finish specified is Gloss you will then polished the sanded edges with a compound and a buffing wheel at the end of a High Speed Drill.
4. You can refer to the Nuvacor Fabrication Manual online at [www.nuvacor.com](http://www.nuvacor.com) at this link: [FABMANIII](#)
5. Or the Nuvacor Fabrication Videos at: <https://www.nuvacor.com/fabrication-resources>