

## NITRO LAST® COUNTER and TOE BOX MATERIAL

NITRO LAST® is a new, revolutionary extruded thermoplastic material that uses our patented foaming process of infusing NITROGEN gas into the polymer core of the material. The NITROGEN gas displaces a portion of the polymer core and still maintains the Stanbee edict of thinner, stronger, more resilient and now with the nitrogen gas infused, even lighter in weight. NITRO LAST® provides excellent shape retention, is very resilient and has a great soft feel.

In addition to all the performance advantages of unmatched resiliency, shape retention and moisture resistance, NITRO LAST® also contains over 55% recycled content and is available in our Zero Waste Net Part Program. NITRO LAST® provides a very sustainable, high quality and cost-effective solution for your counter and box toe needs.

Standard offerings are listed below but custom options with and without laminates can be made available to suit the application.

| GRADE           | GAUGE (±5%) |
|-----------------|-------------|
| NITRO LAST® 0.4 | 0.48 mm     |
| NITRO LAST® 0.6 | 0.67 mm     |
| NITRO LAST® 0.8 | 0.92 mm     |
| NITRO LAST® 1.0 | 1.13 mm     |

### Composition

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The polymer core is a proprietary blend of resins infused with Nitrogen gas and one side with a fabric backer and the other side with our proprietary hot melt adhesive that will bond to all uppers, including oily leathers.

### Work Preparation

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**Cutting:** Nitro Last® is a multi-directional material. It can be cut in horizontal, vertical and diagonal direction. This will allow for optimum cutting yields.

**Heat Activation:** Recommend Bond Line temperature of 110°C, +/- 5C.

**Cooling:** Product should be allowed to cool for sufficient time to allow bond-line temperature reaches roughly 30°C. before de-lasting to ensure shape is confirmed and set.

### Zero Waste Program

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Nitro Last® is part of our Zero Waste Program and is ordered by the part instead of sheet format. This allows all the cutting waste to be recycled in house and provides a more sustainable solution. All that is required is a DXF file of the full size run and we will deliver ready for production toe puff and counters.

## **General Information**

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**Sheet Size:** 40" x 60" (101.6cm x 152.4cm)  
**Area:** 1.852 SY – 1.548 SM  
**Packaging:** Sheets are put on pallets of 500 sheets per pallet.  
**Storage:** Store in a dry cool area. Recommended shelf life is 2 years.  
**Patent:** NITRO LAST® products are protected under US Patent Number 12,138,900.