

# Product Data Sheet

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## Nudo OSB-Metal Plus Trailer Door Blank

Transportation Panels

The Nudo OSB-Metal Plus Trailer Door Blank consists of a 3/4" Exterior Grade OSB (Oriented Strand Board) core with pre-painted white aluminum on the exterior face and a gray poly (HDPE) inner face. The door blank is primarily used as a replacement panel cut-to-size by a repair facility to fit all standard semi-trailer rear openings. The exterior aluminum skin is generally pre-painted white while the interior HDPE (High Density Polyethylene) is usually gray in color. The HDPE interior skin not only protects the wood core from impact and abrasion, but is also resistant to chemicals and moisture. The most common sizes are 49" x 110-1/2" or 49" x 121". Custom sizes are available with minimum quantities and extended lead times. The OSB-Metal Plus Door Blank is a reliable, well tested, inexpensive option when a trailer swing door must be replaced due to damage or wear.

Table 1 – Physical Properties – Nudo OSB-Metal Plus Trailer Door Blank

	Nominal Thickness	Nominal Panel Weight	Aluminum and Poly Skins	Sizes
Item				
OSB-Metal Plus Trailer Door Blank	3/4"	2.25 psf	Pre-Painted White Aluminum Exterior & Gray Poly (HDPE) Interior	49" x 110-1/2" 49" x 121" Custom Sizes also available

## Typical Applications

As a replacement panel for damaged or worn semi-trailer swing doors. The panel is generally cut to size by a trailer repair technician. The technician also applies an edge gasket to seal the perimeter of the door from moisture and mounts both hinges and handles.

## Features

The aluminum exterior skin comes with a polyester white paint finish which accepts paints and vinyl graphics or decals. The 3/4" Exterior Grade OSB (Oriented Strand Board) core provides excellent strength and rigidity. The interior HDPE (High Density Polyethylene) provides superior resistance to moisture, abrasions, chemicals, and corrosion. Both interior and exterior skins seal the door faces from exposure to moisture.

## Cut-To-Size

The OSB-Metal Plus Door Blanks is manufactured oversize to provide the height and width necessary to accommodate almost all standard trailer rear end openings.

## Storage

Panels should always be stored flat on a smooth surface above the ground. A pallet with a smooth piece of plywood beneath the panels is best to avoid any warping or waviness. As with most wood products, it is best to acclimate the panel on-site 48 hours before installation. Although the panels are moisture resistant, be sure panels are kept dry prior to installation.

## Handling

Although OSB-Metal Plus Door Blank panels have good impact resistance, the aluminum faces can be scratched or dented if not handled properly. Do not drop or bump the panel on its edges as this may cause unwanted bending of the aluminum. Do not slide the panel edges or face over rough surfaces that may cause bending or scratching. Pick panels up when handling as compared to sliding panels across each other. Sliding panels may cause scratches on one or both face.

## Fabricating

**Note:** Use protective eyewear such as goggles or safety glasses, cover your nose and mouth with a filter mask when cutting the OSB-Metal Plus Trailer Door Blanks.

Always position the panel so the saw blades enter the exterior side first to avoid chipping and damage.

**Cutting:** Use a 72-tooth circular saw with a carbide tipped blade.

Edges must be sealed with some type of moisture resistant sealer such as silicone before the edge gaskets are applied. Any drilled holes or cut-outs must also be filled with a sealer such as silicone to maintain the original panel Warranty.

The pre-painted exterior aluminum skin comes from the factory with a protective film to help resist scratches prior to installation. Be sure to remove the protective film before installing the gasket or door hardware. Also remove prior to applying paints or graphics.

## Cleaning & Maintenance

The OSB-Metal Plus Trailer Door Blank requires very little maintenance. When the surface does need to be cleaned, use a mild cleaning detergent with water.

## Tolerances

Thickness: + or - 1/16"  
Width: Plus 0", Minus 1/8"  
Length: Plus 0", Minus 1/8"  
Square: + or - 1/4"

## Warranty

Nudo OSB-Metal Plus Trailer Door Blank has a 2 Year Warranty.

**We believe all information provided is accurate. It is offered in good faith, but without guarantee. Since conditions of use are beyond our control, the user assumes all risks. Nothing herein shall be considered as a recommendation for use that infringes on valid patent or as extending a license under valid permit.**

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