

# Materials We Offer

Arrowhead Signs and Fabrication

# Wood (Veneered Plywood)

We generally use baltic birch, or a birch veneered plywood for our wood signs. This material takes stain beautifully (can be left unstained if preferred), and is very strong due to the alternating ply direction. If the sign is intended to be used outside, that must be specified, and an exterior finish will be used in that case.



# Acrylic

Acrylic is a very durable, and stiff material. It generally has a glossy finish, and is great for outdoor applications. There are many colors available, and it comes in different levels of transparency.



# HDPE King ColorCore

ColorCore is an engravable high density polyethylene plastic sheet that is two colors; one on the outside, and a different color on the inside that shows when engraved. This makes it great for outdoor sign applications where the sign needs to be durable, and hold up in harsh weather. HDPE ColorCore signs are great for marine applications, and are impact and stain resistant. The colors will not fade either.

Things to consider:

HDPE does not work well with most adhesives, so if mounted, mechanical fastening is recommended. **This material is only used for engraved signs.** Also, you are limited to the colors produced by the manufacturer, since this color cannot be painted. These options are listed below.

## Color options:

Black-White-Black, White-Black-White

Red-White-Red, White-Red-White

Blue-White-Blue, White-Blue-White

Brown-White-Brown, White-Brown-White

Purple-White-Purple

Green-White-Green, White-Green-White

Tan-Green-Tan, Green-Tan-Green

Brown-Tan-Brown, Tan-Brown-Tan

Red-Black-Red, Black-Red-Black



# Painted Materials

There are three materials we offer that can be painted: MDF (Medium Density Fiberboard), PVC (Polyvinyl Chloride), and HDU (High Density Urethane). From an aesthetic standpoint, since these materials generally get painted, it's difficult to tell the difference between the three, so we broke down the main differences that might be important to a consumer.

## MDF:

This is the cheapest of the painted materials. It is a wood based material, great for indoor sign applications but it is not quite as durable as other materials and is unsuitable for outdoor applications, or anywhere that might be subject to moisture. Comes in thicknesses of  $\frac{1}{4}$ ",  $\frac{1}{2}$ ", and  $\frac{3}{4}$ ".



# Painted Materials cont'd

## PVC:

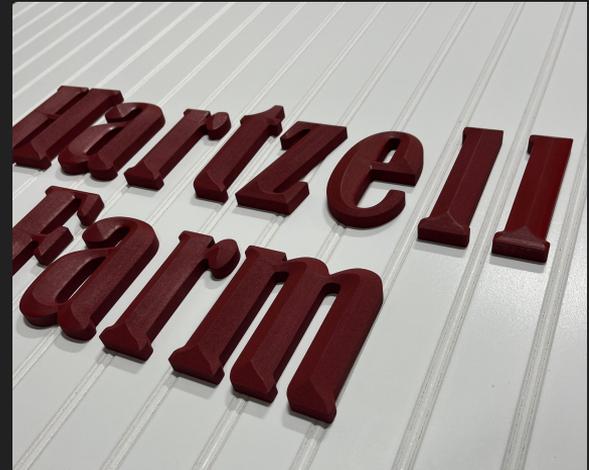
A bit more expensive than MDF, but also more durable. This is a plastic material and is more resistant to moisture than MDF, however we still do not recommend it for outdoor applications. Comes in thicknesses of  $\frac{1}{8}$ " ,  $\frac{1}{4}$ " ,  $\frac{1}{2}$ " ,  $\frac{3}{8}$ " ,  $\frac{3}{4}$ " , and 1" .



# Painted Materials cont'd

## HDU:

This is a very versatile material and it comes in many thicknesses ranging from ½” to 3” which allows for an abundance of 3D carving possibilities. HDU is great for outdoor applications, and is lightweight. It is also the most expensive painted material we use.



# Combination Signs

This is when we put either a painted material (MDF, PVC, HDU), or acrylic on top or beneath a different material, which is most often wood. Depending on the colored material material, this type of sign can be used indoors or outdoors. See “Painted Materials” pages for info about materials for combination signs.

