



Fabrication

Sawing, Cutting, Drilling & Guillotining: A circular saw blade with carbide teeth utilising the triple tooth design is preferred for thicker gauges. Typical laser cutting and router methods are also very successful. For drilling, use conventional drill bits with the standard drill angles and a negative rake. Other suitable methods for cutting Styrene sheet include: shearing, blanking and punching. Shears produce straight-edged cuts, while blanking dies and punches can produce a wide variety of shapes. Appropriate clearance angles are required.

Forming: High impact polystyrene can be thermoformed using typical strip heating and vacuum forming equipment. No predrying of material is required.

Decorating: High impact polystyrene can be screen printed using inks specifically formulated for HIPS. Vinyl graphics can also be applied using typical application methods.

Cementing: High impact polystyrene can be successfully bonded using Weldon 40 & 4052.

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