Modelling Foam

Modelling foam

DCTech has a range of extruded polystyrene (XPS) foam which has been used with great success as a modelling foam for many years. Strong, lightweight and versatile - extruded polystyrene foam has been used for everything from competition grade surfboards to remote control vehicles, outdoor water features to model railway dioramas, architectural models and even triathlon racing bike frames.

Our range of XPS boards are lightweight with a high compressive strength rating. The unique closed cell structure/cell shape of our XPS foam results in no voids between cells, the result of an exclusive extrusion process that assures uniform, predictable, stable physical properties.

Our range of XPS foam is a thermoplastic and retreats from fire. It also contains a flame retardant additive to inhibit accidental ignition from small fire sources eg., over-heated wires or welding sparks. The cell structure of our XPS foam enables it to resists all forms of water and moisture penetration.

Our XPS foam is chemically and physiologically inert, it creates no dust and will not support mould or mildew and is non allergenic and is not a known food source to vermin or insects.

Cutting and Shaping

Due to the homogeneous cell structure and uniform density of our XPS foam, it can be cut...
accurately and to very close tolerances. It is easy
to cut and shape with a range of tools including a
hotwire cutter, serrated knife, hacksaw, floral
knife or X-Acto knife. To cut a thick piece, or
several sheets stacked together, try using an old
electric knife. DCT can cut your board to your
required thickness and/or length from $10 per
board. Note that DCTech cannot cut your board
into shapes.

Adhesives
For a fast, sure bond, use a low-temperature glue
gun (using a non-solvent base such as an epoxy
resin and/or polyurethane adhesive) which can be
purchased from your local hardware store.

Painting
Extruded polystyrene can be painted with an
acrylic craft and/or water based paint. Avoid using
solvent based paints as these may damage the
foam. Some spray paints are safe to use - read
the label carefully to determine whether or not it
is foam approved.
<table>
<thead>
<tr>
<th>Product Guide</th>
<th>Description</th>
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<tbody>
<tr>
<td><strong>DCT XPS White Block</strong></td>
<td>Colour: Pure White Planned Square edge 100mm 1030mm 3060mm 300kPa</td>
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<tr>
<td><strong>Dow Styrofoam RTM-X</strong></td>
<td>Colour: Blue Grooved on both facers Square edge 25, 35, 50, 75, 100, 120mm 600mm 2500mm 400kPa</td>
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<tr>
<td><strong>Dow Styrofoam SMTG</strong></td>
<td>Colour: Blue Smooth self-skin Tongue and grooved 25, 30, 40, 50, 75, 100mm 600mm 2500mm 250kPa</td>
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<tr>
<td><strong>Dow Styrofoam LB</strong></td>
<td>Colour: Blue Planned Square edge 75 and 100mm 600mm 2500mm</td>
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Compressive strength: 300kPa

DCTech also sell a range of off-cuts. Standard board sizes 2500mm (L) x 600mm (W) with various thicknesses ranging from 10mm up to 25mm. Minimum order $30.00. Pick-up only. Cutting is not included.

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