

Isolite[®] custom cut

Decorate, protect, insulate and build with Isolite[®]

Creating tailored solutions



Decotrim® computer cut profiles for external use

Barnes Plastics Decotrim® lightweight products are literally changing the face of buildings in New Zealand, providing decorative features to give a distinctive character and air of quality.

The versatility of Decotrim® allows architects and designers the freedom to create impressive features while working within the specifications of each project. Decotrim® can recreate the craftsmanship of a bygone era, or create the look of the future.

Barnes Plastics can produce a range of contours for every application from mouldings through to columns and capitals. Shapes to customer specifications are welcome.

Decorative shapes are cut in Isolite® ready for plaster or other permanent coating.

- **Columns:**

Round, fluted, square. Columns are usually supplied in two halves with the centre cut out for a steel or timber post.

- **Capitals and Bases**

- **Window surrounds:**

Available as facings and sills, eye brows etc in various shapes.

- **Parapets**

- **Soffit Mouldings**

- **Dado Rails**

- **Dentils**

For that individual piece of inspiration Barnes Plastics can design and manufacture a Decotrim® solution to your specification.



Isolite® custom cut versatility and performance

Packaging

- High on protection and very economical. The ultimate packaging material.
- Lightweight with excellent shock absorption and thermal insulation characteristics.

Construction

- Voidformers and blockouts.

Insulation

- Highly efficient moisture resistant insulation suitable for pipes up to 80°C.
- Cut to shape for fast installation.

Signage

- Lettering, logos and display shapes.

Packaging



Pipe insulation



Suitable for almost any purpose.

Shapes for lost foam casting



Signage and display



How Barnes Plastics is expanding your future



The manufacturing process of EPS

Expandable polystyrene (EPS) is supplied as plastic beads in which an expanding agent, usually pentane, has been dissolved. In the presence of steam the thermoplastic polystyrene softens and the increasing vapour pressure of the expanding agent causes the beads to expand up to 50 times their original volume. During this stage the degree of expansion is controlled to achieve the desired density.

Once expanded the material is allowed to stand in large silos to allow the infusion of air to replace the expanding agent, which stabilises the material.

The stabilised material is then transferred into closed moulds where it is further expanded and fused by again heating with steam.

EPS is a lightweight, versatile, durable and economical material ideally suited to a wide range of uses from insulation, packaging and floatation to void filling and decorative finishes.

Isolite® block products

Manufactured primarily for the building industry and used in coolrooms, lightweight panels, voids, building facades, wall, roof and floor insulation. It is also used in architectural design projects, marinas, pipe insulation, road construction and many other customer specified requirements.

EPS shape moulded products

These include Voidforms®, packaging for aquaculture, produce, white goods and other manufactured articles. Engineered components, drop test approved packaging for the computer industry, and bicycle helmets are just a small cross-section of the shape moulding range.



Recycling

Barnes Plastics EPS can be recycled. Recycled EPS can be granulated for use in construction applications or blended to make a range of plastic products in everyday use including cassette casing and coat hangers.

Expanded polystyrene does not contain any ozone depleting substances and none is used in its manufacture.

Barnes Plastics pursues a policy of continuous improvement in the design and performance of its products. The right is therefore reserved to vary specifications without notice.

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