



# FOAMING SYSTEMS



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It's all in the Chemistry

[www.sicommin.com](http://www.sicommin.com)



## FOAMING SYSTEMS

Sicomin's 2 part epoxy foams offer uniform density closed cell cores from 170-600 kg/m<sup>3</sup> with different hardeners providing a range of curing times and expansion rates. CFC free and highly adaptable, Sicomin foaming systems produce versatile cores and excellent laminate skin bonding.

## TOP PRODUCTS

### PB 170, 250, 400 & 600 / DM OX

Foaming systems for closed cell epoxy foams from 170 to 600 kg/m<sup>3</sup>

Densities obtained are approximately 170, 250, 400 and 600 kg/m<sup>3</sup> respectively (open mould expansion at 23C).

Standard foam colour is white but can be coloured with epoxy compatible pigments.

The mixed components react in 2 stages; gentle expansion followed by slow hardening of the foam.

Adheres to a wide range of materials.

Can be poured onto and co-cured with prepregs or other epoxy laminates.

CFC free and highly water resistant.

### PB 270 i, PB 370 i & PB 570 i

Self-extinguishing 2 component epoxy foaming system

Densities obtained are approximately 270, 370 and 570 kg/m<sup>3</sup> respectively (open mould expansion at 23C).

Standard foam colour is white but can be coloured with epoxy compatible pigments.

The mixed components react in 2 stages; gentle expansion followed by slow hardening of the foam.

Adheres to a wide range of materials.

Can be poured onto and co-cured with prepregs or other epoxy laminates.

CFC free and highly water resistant.

Complies with industry FST classifications: Aerospace FAR 25-853 and Rail EN45-545.

### PB 360 GS

New bio-foaming epoxy that allows 'in situ' production of a shaped low-density epoxy foam core

Two-part system with 37% bio-based carbon content.

Offers good adhesion to a variety of materials and low water absorption.

Particularly suited to foam cored components with lightweight glass, carbon or natural fibre laminates..



### Features and Benefits

- Largest range of multiple density foaming systems
- For strong, high quality and versatile cores
- Superior bonding of laminate skins (epoxy, polyester, vinylester)
- Low pressure, controlled expansion
- Closed cell with no shrinkage after hardening or water uptake
- Adaptable to multiple production requirements and environments
- Fire retardant and fast curing versions available
- Machine dispensable options available for large series production runs

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