Barnes

Technical Data Sheet

Product Name

FOAMO A/B
Soft Flexible Silicone Foam

Product Description

FOAMO is a versatile two-part silicone foam that expands as it cures to create a lightweight, flexible and durable foam. Ideal for gaskets, cushioning, vibration reduction, cavity filling, fire-stop applications and high-temperature components, it is suitable for both industrial and creative projects.

Features include:

- Amazing fluidity and easy to operate
- Platinum-based
- Easy To Use 1:1 mix ratio
- Fast cure & De-mould times
- Foam expansion: 4 times original volume
- No shrink on cure
- Excellent resistance to weather, environment, and aging
- High resistance to varying temperatures (-60 to 250 ºC)

Physical Properties

Product	Test Unit	FOAMO
Mix ratio	PBV	1A:1B
Hardness	Shore	00
Appearance	Colour	White
Pour time	@ 25ºC, minutes	3-5
De-Mould time	@ 25ºC, hours	3-5
Cure Time	@ 25ºC, hours	24
Mixed Viscosity	Mixed, mPas	6,000 ±2000
Expansion	@ 25ºC	4x

Mixing & Curing

Thoroughly mix Part A and Part B at a 1:1 ratio until the material is uniform in colour and consistency. Mix for approximately 1–2 minutes, scraping the sides and bottom of the mixing container to ensure a complete blend. Inadequate mixing may result in uncured areas.

Cure time will vary depending on the thickness of the application and the ambient temperature. Under normal conditions (25°C), the material will cure in approximately 24 hours. Higher temperatures will accelerate curing, while lower temperatures will extend the cure time.

FOAMO is a platinum-cure (addition-cure) silicone foam. Cure inhibition may occur if the mixed material comes into contact with substances containing amines, sulphur, tin compounds or certain nitrogen-containing materials. Ensure all tools, moulds and substrates are clean and compatible before use.

Appearance

Part A: An odorless liquid in translucent colour with platinum inside.
Part B: An odorless liquid in translucent colour.

Health & Safety

FOAMO components should always be handled in accordance with the Safety Data Sheet (SDS), using appropriate personal protective equipment (PPE), including gloves and eye protection.

The hazard classifications shown on the SDS reflect the intrinsic hazards of the individual ingredients rather than the risk posed by the product during normal use. For example, the crystalline silica contained within the formulation is fully

encapsulated within the liquid silicone and is not airborne during mixing or pouring. The primary concern associated with silica is the generation of respirable dust if the cured foam is cut, sanded, or machined.

Part A also contains a platinum catalyst that may cause skin sensitisation in some individuals before the material has cured. Good hygiene practices, including avoiding prolonged skin contact and washing thoroughly after use, are recommended.

When used as intended and with appropriate PPE, FOAMO presents a low practical risk during normal mixing and pouring. Users should avoid generating dust from the cured material and should refer to the current SDS for complete hazard, storage and disposal information.

Storage & Shelf Life

For best results, 6 months at least, stored in a cool and dry place under room temperature - 25°C. Tightly reseal containers after use.

Issue Date

29th July 2026

Revision Number

2

Disclaimer