

POLYURETHANE

Polyurethane is all around us in our everyday life, from the cars that we drive, furniture in our homes and work places, to the clothes that we wear. Whenever you get into a car, open a fridge, lie on a hospital bed or put on a pair of trainers, these are likely to contain polyurethane.



Inert Material

Spray-applied polyurethane foam (SPF) is, by nature of its closed cell structure, more stable in terms of VOC (volatile organic compound), than other open cell polyurethanes. The final product is an **inert “dead plastic”** offering no harmful concerns to the people associated with the finished product in everyday use.

Testing

SPF has been independently tested (in accordance with EN ISO 16000 Part 9, “determination of volatile organic compound emissions from construction products and furniture”). Test results show that **SPF emissions are well within EU limits.**

Material Composition

SPF is made up of:

- A polyol blend (formulated polyol or A-side). This may include catalysts, blowing agents, fire retardants, or surfactants.
- Polymeric methylene diphenyl diisocyanate (PMDI or B-side).

Material Safety Data Sheets are produced by BUFCA suppliers for installers using their materials. This contains information on how to handle accidental releases, storage information, handling, transportation and disposal.

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Health & Safety Information

Installation

During the installation your chosen BUFCA installer will wear a respirator or full positive air fed mask and personal protective equipment (PPE) to minimise exposure to vapours, aerosols, and particulates of PMDI during the spray application.



Curing Period

After installation the foam becomes fully cured within 72 hours.

Customer Viewing

During the installation process customers who want to view the progress of the installation should not enter the site until instructed safe to do so. It is important that installation crew are properly protected during the process. Alternative methods of viewing can be arranged on request, e.g. photography/video.

HVAC Systems

Heating, ventilating and air conditioning systems should be switched off during the installation, including the application of primers, spray polyurethane foam, and coatings. This prevents dust, aerosol and/or vapour transfer into internal spaces. The air intakes should be sealed with plastic sheeting and tape to prevent the ingress of dust particles, etc. This should remain in place for 24 hours or more.