

Air Monitoring for Resin Based Flooring

Monitoring Services Case Study



Oceans-ESU Ltd offer a full air monitoring service to protect the health & comfort of individuals, and ensure resin based products can be installed safely and efficiently with minimal disturbance to trading.

There are a number of resin based flooring products on the market, commonly used in retail stores and warehouses. These products are very hard wearing, easy to clean and quick to install. The product is often laid overnight, allowing the store to continue trading during the daytime.

When the resin is set, the floor is inert and harmless; but while drying, even a small quantity can cause a noticeable odour throughout the entire store. The strong, unpleasant smell of the components causes some concern, especially for store staff and other individuals that may be present during the applications.

Methyl Methacrylate (MMA) Resin (Acrylic)

This product has a relatively low toxicity but a pungent odour which may cause discomfort for staff who are working in the vicinity. In addition, some individuals such as those suffering from asthma may have an adverse reaction to even small quantities of MMA. Oceans-ESU Ltd work alongside the flooring company to ensure safe working practices and adequate precautions are taken to minimise the odour and protect staff. An Oceans-ESU representative will be on site throughout the work to address any concerns that individuals may have.

Isocyanate Based Products (Polyurethane)

Other flooring products may contain isocyanates. Isocyanates are of particular concern due to their respiratory sensitising properties. The possible consequences of using such products without adequate control are potentially very serious, and the low odour means individuals may be exposed without realising. Oceans-ESU Ltd work alongside the flooring company and the store to develop a safe method of applying this product. Air handling and exclusion methods are used in conjunction with air monitoring to protect the health of all individuals who may be affected.

