

Volatile Organic Compounds - VOCs

BioClad and VOCs



Volatile organic compounds (VOCs) are chemicals that have a high vapour pressure at ordinary, room-temperature conditions. Their high vapour pressure results from a low boiling point, which causes large numbers of molecules to evaporate or sublime from the liquid or solid form of the compound and enter the surrounding air. Respiratory, allergic, or immune effects in infants or children are associated with man-made VOCs.

One of the main worries with PVC and VOCs is Formaldehyde (HCHO), this has a boiling point of $-19\text{ }^{\circ}\text{C}$ ($-2\text{ }^{\circ}\text{F}$) and is a toxic air contaminant if released indoors. BioClad PVC does not contain Formaldehyde, it relies on silver ion technology to kill the spores of the various bacteria and silver is not a VOC.

BioClad contains the silver phosphate glass antimicrobial technology to preserve the surface and prevent degradation caused by microbial growth. This does not leach and is Biocide Registered within the UK, EU and USA.