



www.subsport.eu



In this product, stabilising phthalates and carbon black have been replaced with alternative substances to minimize the hazards for human health and the environment.

INTERNATIONAL STANDARD
ISO 14021
TYPE 1 ENVIRONMENTAL CLAIM



This container will be collected for recycling.
FREEPHONE
0800 3284267
INTERNATIONAL STANDARD
ISO 14021
TYPE 2 ENVIRONMENTAL CLAIM

Gemini are manufacturers of **adhesives** and **flexible extrusions** which guarantee a more effective, chemically safer and more sustainable approach to finishing resilient flooring installations.

Resilient flooring is used in hospitals and schools and other areas where ease of cleaning is an important factor in their selection. It is vital that flooring of this type is finished with effective flexible flooring profiles to ensure that cleaning at the edges is possible throughout the life of the installation. If these finishes fail they are harbours for potentially dangerous microbes as well as being difficult and expensive to repair and replace. In recent years these hitherto effective systems have increasingly been seen to fail through shrinkage and a breakdown of the adhesive bond.

Gemini are acknowledged leaders in low VOC adhesive technologies and pride ourselves in high standards of technical performance and ease of use for the installer. We have researched recent reported failures of installations and have developed reliable and innovative products as a result. Our analysis has been carried out by our own laboratories as well as by independent sources such as the REACH Centre and Department of Chemistry at Lancaster University and SATRA Technology. We observed that certain plasticisers contained within some leading PVC profiles may,

under certain conditions, migrate from the product leading to shrinkage and loss of adhesion consistent with the failures reported. In addition we were concerned that traditional PVC plasticisers are substances known collectively as **phthalates**, some of which are considered to be hazardous to human health to the extent that they feature on the REACH List of Substances of Very High Concern and on other lists of potentially toxic chemicals produced by NGO's around the world.

Our response has been the development and manufacture of the Gemini **Phthalate free** flexible profiles. These contain a non-phthalate plasticiser which has migration and shrinkage resistant characteristics and has an excellent health and safety profile being approved for use in medical devices and food packaging. We have also substituted carbon black, about which there are some health concerns, with a food packaging grade pigment which also has superior scuff resistance properties. The substitute plasticiser and the carbon black replacement were independently assessed for safety in usage by toxicologist and our products now appear as case studies



gemini

...creating lifetime bonds

ADHESIVES | R & D | EXTRUSIONS | SUSTAINABILITY

on the European Safer Chemicals web site – “Subsport” - www.subsport.eu. Gemini PVC may also be recycled at the end of its life in the knowledge that the recycled product will not contain substances that may be withdrawn from the market on safety grounds.

The Gemini profile range used together with either our **Grabfast Gold®** Spray adhesive or **Grabfast® Water Based** Roller adhesive now offers a proven effective combination for reliable and stable installations. The products are competitively priced, easy to install and subject to normal approved installation methods, this combination comes with a unique

5 year warranty. In addition our steel adhesive containers are fully recyclable and each is stamped with the phone number of our free collection and recycling service.

Full architectural specification documents for the products are available free of charge on our website www.geminiadhesivesgroup.com

Our products are manufactured and distributed in accordance with both ISO 9001:2008 and ISO 14001:2004

management systems which ensure the minimisation of waste and harmful emissions and maximise our recycling efforts. Our commitment to sustainability is further enhanced by our commitment to the “Carbon Action Standard” which has been developed to encourage organisations to measure their Carbon Footprint and to implement an action plan to reduce their energy consumption and CO2 emissions. Our self-declared environmental claims are consistent with the ISO 14021 standard which calls for only clear, accurate and substantiated information to be presented to the customer.

5 YEAR
adhesion
guarantee



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