



## ***TECHNICAL BULLETIN***

### ***Concrete & Masonry Information for the Professional***

#### **Environment / Safety Considerations when Installing Methyl Methacrylates**

This bulletin was developed to highlight issues that should be addressed prior to any seamless flooring system, including methyl methacrylates. This bulletin does not include all the issues that must be considered. Rather, this is a starting point for a checklist of items that a contractor may use. This guide assumes that the installer is familiar with safe operating procedures for all tools and equipment necessary for proper surface preparation and product installation.

##### **Protection**

Care should be taken to isolate the work area from others not involved with the flooring installation for protection against exposure to concrete dust, wayward steel shot, offensive odors, etc. All foodstuff, sensitive equipment, tables, chairs, etc. should be removed from the work area. Surfaces not to be coated should be masked with a quality grade duct tape and poly sheeting. Adequate exhaust ventilation should be provided to the exterior away from windows and air intakes. Make-up air can be provided with most UL listed fans while exhaust air must be handled with an explosion proof fan such as those manufactured by Tempest Technology.

*(www.tempest-edge.com - 800.346.2143)*

##### **Exhaust**

Adequate air movement within the work area is essential for proper cure of all methyl methacrylate products. Unexhausted mMa vapor is heavier than air and will settle above the uncured coating. The vapor will act as a solvent preventing proper cure of the coating.

##### **Exhaust (cont)**

Additionally, a properly exhausted area will provide a safer work environment free of excessive concrete dust and concentrated methyl methacrylate vapor. Make-up air can be provided with most UL listed fans while exhaust air should be handled with an explosion proof fan such as those manufactured by Tempest.

##### **Safety**

It is important to read, understand, and employ all safe operating procedures for the use of preparation equipment. Methyl methacrylate resins are flammable. Any potential source of ignition must be extinguished and/or removed from the installation and mixing areas. This includes items such as, stoves, pilot lights, boilers, hot water heaters and other equipment. **No Smoking** signs should be posted at all access points. Appropriate fire extinguishers must be available in easily accessible locations. Read, understand, and employ all safety precautions including personal protection guidelines outlined in ChemMasters MSDS and Technical Data Sheets prior to product installation.