

BLASTWRAP



BLAST MITIGATING MATERIALS

Overview

BlastWrap® is made from two laminated films the bottom one of which is thermo-formed into a cavity or pocket(s) and into which is put blast attenuating filler materials including volcanic glass bead or other suitable two-phase materials and a blend of extinguishments. The top film is then sealed onto the lower film forming a durable, flexible and configurable product (designed for each application) that offers unique and revolutionary blast mitigation/protection against all blast and fire/burn threats. BlastWrap® is a blast mitigation assembly that can be wrapped around or conform to any shape.

BlastWrap® is a material (not a chemical compound) from which blast protection products are built to save lives and reduce explosion damage to people and valuable assets. All BlastWrap® components are “COTS”. BlastWrap® technology is unparalleled in dramatically mitigating the destructive effects of blasts of all kinds, including high explosives and other solids, gases and fuel/air deflagrations. BlastGard International’s passive mitigation technology is unique and we believe that blast mitigation is a cornerstone of emergency management because it dramatically reduces the impact explosions have on people and property. BlastWrap® is scientifically engineered and designed to remove much or most of the energy from explosions.

BlastWrap® works by dissipating blast shock energy through irreversible processes and also by very rapidly quenching the thermal output of an explosion. BlastWrap® is usually integrated into one of two basic categories: barriers or containers. Barriers include temporary and permanent wall units; linings applied to walls, blast tables, suspended ceiling materials, suspended free standing or floor mounted barriers, and modular barrier or revetment kits. Containers embrace everything from boxes to trash receptacles to explosives magazines, including wheeled mobile storage units in which explosives can be safely moved from one work station or site to another.



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