
BALLISTIC COATING FOR BOMB SHELTERS

➤ Known in military and research circles as an Energy Resistant Coating (ERC), PAXCON coating is flexible, yet stronger than steel. This means that walls outfitted with the unique PAXCON coating can withstand explosions up to 20 times greater than a normal, uncoated wall.



➤ As a blast mitigation coating, PAXCON flexes and absorbs energy released from an explosion. Critical buildings can be coated to help protect personnel against fragmentation caused by a bomb blast. Walls coated by PAXCON will flex and fragment in the event of an explosion but will hold together preventing injury from high-speed debris. Due to its chemical composition and application process, it will adhere to almost any structural material, at any angle.

Why PAXCON works?

Un-reinforced concrete walls shatter at 15-30 kN/m² blast pressure. PAXCON is sprayed on the exterior and/or interior of the supporting walls and is touch dry in seconds. PAXCON coating has very high tensile strength and high ductility. Result - wall fragments contained up to 550+ kN/m² blast pressure. Standoff distance is decreased by 80% - it's the distance at which explosion occurs and damage is mitigated. Coated structures and connections of various elements bec...

Read more at www.cluster.lv

➤ Company



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