



# YOUR SINGLE SOLUTION

ProtectiFlex is an innovative blast, ballistic and extreme loading protection product, combining the latest proprietary technologies and materials to advance security, safety and resiliency.

FOR EXPLOSIVE & INDUSTRIAL SAFETY, ANTI-TERRORISM & FORCE PROTECTION

ProtectiFlex products are suitable for retrofit of existing buildings, structures, or as a key part of new construction. They have a variety of applications in:

- ▶ PETROCHEMICAL
- ▶ POWER & ENERGY
- ▶ CRITICAL INFRASTRUCTURE
- ▶ DEFENCE
- ▶ GOVERNMENT
- ▶ NUCLEAR
- ▶ RETAIL & COMMERCIAL

Our three product options - **shotcrete, concrete, or masonry** - will give you the peace of mind that you are protected, no matter the circumstance.



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## PROTECTIFLEX FEATURES & BENEFITS



### ONE SOLUTION

ProtectiFlex products offer a single material solution for the diverse effects from Blast, Ballistic & Fragmentation, Weapon Effects, Forced Entry, High Wind Debris Impact, Fire and Seismic loads. In contrast, conventional concrete and masonry material products used for high- threat environments are dense, brittle and lack enhanced damping characteristics.

Blast Tested in accordance with DoD, GSA, ISO, CPNI and UK Home Office Guidelines

Ballistic Tested in accordance with NIJ-STD-0108.01, UL 752, BS EN1063:2000 and BS EN1522 Standards



### TOUGH

Protection of people and critical assets are the primary objectives of ProtectiFlex products. The designs prevent bullet penetration, reduce spalling and are able to absorb large amounts of energy without diminishing its structural integrity.



### LIGHTWEIGHT

The base material of ProtectiFlex systems is 30% less dense than concrete with enhanced energy absorbing characteristics, resulting in lighter, thinner structures that are faster to build, cheaper and more adaptable.



### FLEXIBLE

ProtectiFlex products are more than 100 times as flexible as concrete and have 20 times the strain capacity of traditional concrete before failure.



### ECO-FRIENDLY

ProtectiFlex products are created from recycled materials, uses less energy to manufacture and are sustainable.



### COST-EFFECTIVE

Designed to utilize existing construction implementation practices in the masonry, cast-in-place and precast concrete industries. Our concrete-like material can be treated like true concrete during manufacturing with no retooling necessary, allowing a wider variety of applications.

## PROTECTIFLEX, LLC

is a one-stop shop providing innovative and cost-effective concrete-like material solutions for clients wanting to meet security, natural hazard resilience and/or industrial safety design requirements

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