

PAXCON™ BLAST MITIGATION

by **LINE-X**
PROTECTIVE COATINGS



SPRAY APPLIED BOMB BLAST PROTECTION DEVELOPED BY LINE-X®

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YOUR BLAST PROTECTION



PAXCON® Blast Mitigation

What is blast mitigation?

Blast Mitigation, also known as bomb mitigation are forms of defence to protect people, facilities and assets by decreasing or preventing the effects of a bomb blast.

PX-3350 coating

PAXCON® blast mitigation, (PX-3350) developed by LINE-X®, is a spray applied coating that is applied to walls and buildings in danger of being subjected to a bomb blast.

PAXCON® coated walls stay together due to their ability to flex. This ability to flex allows PAXCON® coated walls to withstand explosions far greater than a normal uncoated wall.

Proven to work

During extreme testing at the Air Force Research Laboratory PAXCON® was the only coating out of 27 tested to pass all bomb blast tests.

Testing involved 9'x9' uncoated and PAXCON® coated walls being subjected to large blasts of TNT, used at a distance of 35ft.

These tests provided evidence that PAXCON® coated walls can reduce the stand off distance by over 50%.

PAXCON® coatings are currently protecting military, civilian and government buildings around the world including the US Pentagon and buildings through out the UK.



Structural Retro fit Program

Structural Retro fit

The PAXCON® coating has been pursued as a retro fit coating for lightweight structures through out the worlds militaries.

These structures, normally used during extended deployments, consist of timber stud walls, exterior aluminum coating and interior plywood paneling.

The PAXCON® coating strengthens these structures to be able to withstand potential bomb blasts. An example of a PAXCON® coated structure after a bomb blast can be seen on the top right side of this page (right side of structure marked 'TB' has the PAXCON® coating, left side of structure is uncoated.)

Masonry Wall Retro fit

Masonry Wall

PAXCON® Masonry Wall retrofitting modifies existing structures, making them resistant to certain forms of bomb blast.

The PAXCON® coating has been successfully tested against 80+ psi blast pressures. Even at this high pressure the PAXCON® coated wall remained in place, and no fragments entered the cubicle. Normal unreinforced walls will typically shatter and fail between 2-4 psi pressures.

See video and imagery of the test results at :

www.paxcon.co.uk/masonry-wall-retro-fit

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