

# Plas-Crete Force Protection Blocks



Proudly Made in the USA by:



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## Plas-Crete Force Protection Blocks

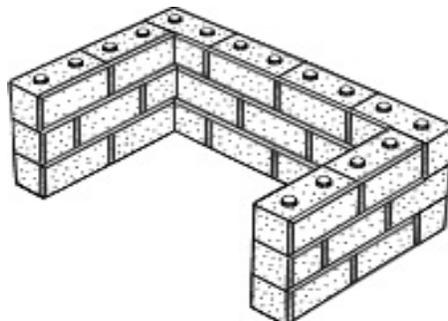
The Economical and Expedient choice for protection of critical resources from blast, ballistic and crash impacts, including:

Main Gates  
Entry Control Points  
Aircraft  
Buildings  
Vehicles and Heavy Equipment  
Fuel Storage Facilities  
Command Posts  
Communication Facilities  
Utility Systems  
Generators  
Security Forces Fighting Positions

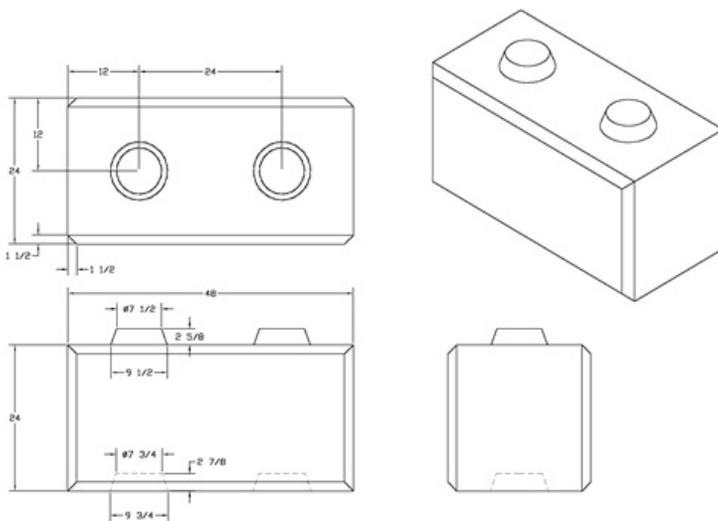


Plas-Crete Blocks protect critical resources by:

- Blocking directing and indirectly fired weapons
- Protecting against small arms fire and shrapnel
- Deflecting near miss bomb and projectile blasts
- Preventing chain reaction explosions



# Basic Specifications



## Standard Blocks:

2' x 2' x 4' Full Block, 1850 lbs

2' x 2' x 2' Half Block, 925 lbs

## Options:

BlockLock System

Flat Tops

Custom Designer Finishes

Fence Post Tubes

All blocks 1,400 - 1,700 psi

## The Many Advantages of Plas-Crete Force Protection Blocks

1) **IMPACT ABSORPTION:** Plas-Crete Force Protection Blocks are specifically engineered to have a compressive strength of 1,400 - 1,700 psi. Plas-Crete, a cement and mixed plastic aggregate composite material, is well-suited for force protection applications. This strong, innovative composite reduces potentially fatal ricocheting and flying collateral material upon blast, crash or ballistic impacts. Demonstrations and tests have proven that Plas-Crete Force Protection Blocks absorb ballistic rounds and withstand massive blasts.

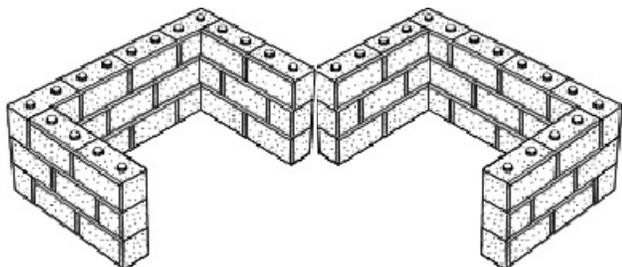
1) **NO LEAKS OR CRACKS:** Plas-Crete Force Protection Blocks are made of solid construction. They are capable of withstanding extreme hot and cold temperatures without degradation. They do not require filling with water or sand to be effective. As such, they are not susceptible to instant catastrophic failure due to an attack/impact which could drain other types of barrier's contents.

2) **YES, THEY STACK:** Plas-Crete Force Protection Blocks stack, providing a distinct advantage over jersey barriers and other barrier products. They may be stacked 4, 6, 8, 10 feet or higher and configured into infinite shapes and lengths.

3) **SAVE TIME AND LABOR:** Plas-Crete Blocks replace other time-consuming force protection and hardening methods such as poured walls, extremely heavy concrete blocks/revetments, sand bags, soil berms, and wood/metal pre-fabricated kits. Plas-Crete precast blocks are true-to-size, self-centering and fully nestable. A crew of two can deploy 25 blocks per hour using the block's inset hook, a chain and either a bobcat, forklift, or backhoe. You don't need a large piece of equipment. You'll have a completed project in just hours.

4) **PERFECT FOR PERMANENT OR EXPEDIENT USE:** Plas-Crete Force Protection Blocks are designed for permanent or expedient use. Permanent installations are designed and installed on a case-by-case basis. For expedient use, we offer our **Model FPB-2500-100HR Starter Package**, which includes (2,500) Standard Blocks and (100) Standard Half Blocks. This Starter Package may be kept "in-stock" and deployed in just 100 hours across your facility during periods of increased threat.

# Protective Planters and Berms



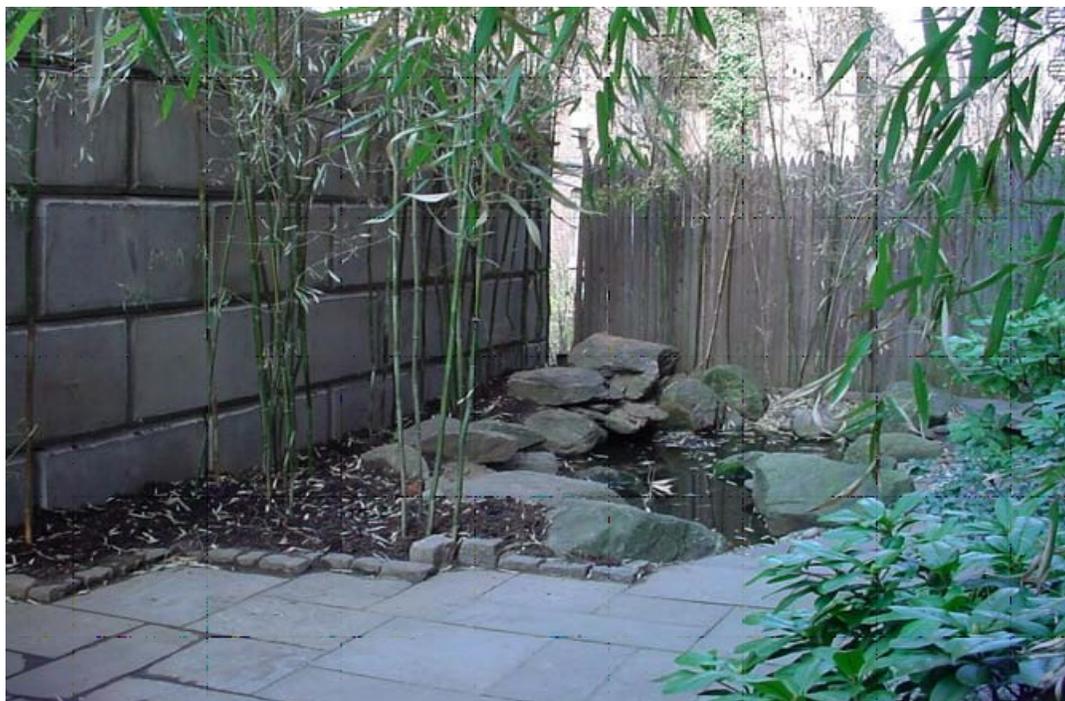
Plas-Crete Force Protection Blocks are easily stacked and configured to create all types of protective planters and berm walls.



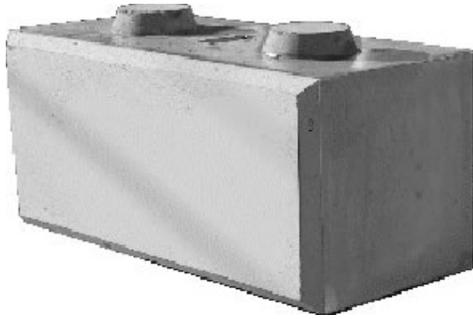
*Protective Earth Berm retained by Plas-Crete Force Protection Blocks with Cut Stone Designer Finish. Once the berm is planted, this aesthetically pleasing force protection solution is complete!*

*Planter Wall built with Standard Finish Plas-Crete Force Protection Blocks and integrated into an Urban Water Garden.*

Plas-Crete Force Protection Blocks are an attractive security solution, especially when combined with natural plantings and surroundings.



# Custom Designer Finishes



*Plas-Crete Force Protection blocks look great with our Standard Smooth Finish and beveled edges.*

*If you seek a different look, we offer several custom designer finishes...*

## Rough Stone



## River Rock



## Random Stack



## Cut Stone

# The BlockLock System



Our optional **BlockLock System** adds considerable muscle to installed Plas-Crete Force Protection Walls, *providing enhanced blast, crash and ballistic Protection*

*The BlockLock System interlocks all segments of the Plas-Crete Force Protection wall system.*

The BlockLock System includes:

- 1) **Internal Bollard Tubes** which are pre-cast into the Plas-Crete Force Protection Blocks during the manufacturing process.
- 2) **Steel Soldier Pins** of various lengths are inserted into the Internal Bollard Tubes and down into the ground surface.
- 3) **GlassLock Granules** are poured into the Internal Bollard Tubes around the Steel Soldier Pins locking them into place.

# ***Plas-Crete Force Protection Blocks in Action at Ballistic Range!***

**Force Protection Equipment Demonstration, FPED IV,  
Quantico Marine Corps Base, 6 - 8 May 2003**



## Ballistic Demonstration

Three Days - Each day:

(5) rounds of 9 mm

(5) rounds of 5.56 mm

(5) rounds of 7.62 mm

(5) rounds of 12 gauge slug

All shots taken from distance of 20 yards

Four different ballistic weapons systems were used against the Plas-Crete Force Protection Blocks.

Plas-Crete Force Protection Blocks successfully absorbed 60 total rounds of ballistic ammunition.

***Plas-Crete Force Protection Blocks provide superior Ballistic Protection!***



# ***Plas-Crete Force Protection Blocks in Action at Blast Range!***

**Force Protection Equipment Demonstration, FPED IV,  
Quantico Marine Corps Base, 6 - 8 May 2003**



## **Blast Demonstration**

***3 blasts over 3 days***

***50 pounds of TNT  
per blast***

***50' Away***

A large crater marks the point of detonation, just 50 feet from the Plas-Crete Force Protection Blocks. Plas-Crete Force Protection Blocks remained in-place and unharmed.

***Plas-Crete Force  
Protection Blocks provide  
superior Blast Protection!***



# Creating a Fortified Main Gate With Plas-Crete Force Protection Blocks



*This main gate was hardened with a 4 ft high Plas-Crete Force Protection Block Wall designed to slow and channel vehicles towards the security check point.*

*Plas-Crete Force Protection Blocks are quick to install. This force protection solution was completed in under 10 hours!*

