

FORCE PROTECTION

Force Protection Applications for the Rapid Deployment Fortification Wall

The Rapid Deployment Fortification Wall can serve as a direct replacement for sandbags in a wide variety of field fortifications:

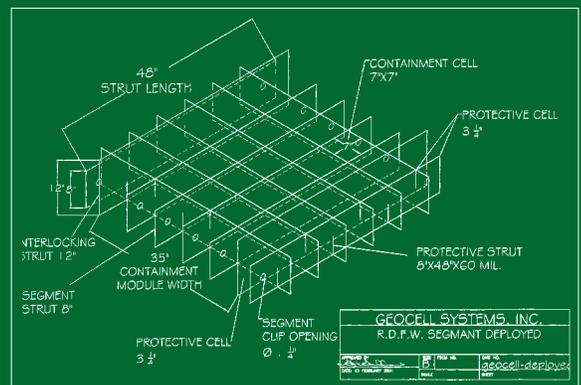
- ▶ *Standoff Blast and Ballistic Protection*
- ▶ *Artillery Emplacement Shelters*
- ▶ *Bunker Wall Construction*
- ▶ *Aircraft and Helicopter Revetments*
- ▶ *Vehicular Barriers*
- ▶ *Hardening of Command Posts*
- ▶ *Forward Re-arming Point (FARP) Protection*

In an age of modern, high-mobility warfare, it is still often necessary to create fixed defensive positions. Units such as hospitals, command facilities, airfields and supply points usually require some degree of fortification. Forces engaged in ongoing peacekeeping operations typically find themselves creating defenses for their garrisons. And even "mobile" units, such as artillery, often end up in fixed positions for extended periods of time.

Unfortunately for these soldiers, defensive earthwork technology has remained at a standstill for over 100 years. The hand-filled sandbag, stacked into walls or piled overhead, continues to be the mainstay tool used to construct everything from mortar pits to command bunkers. And these sandbag fortifications, while quite effective, are also very slow to build and incredibly labor-intensive.

At Geocell Systems, we believe our brave soldiers deserve a faster deploying expedient fortification than sandbags.

To speed the construction of earthen fortifications, we have developed the Rapid Deployment Fortification Wall (RDFW). RDFW is a modular plastic grid that serves as a direct replacement for sandbags in numerous applications. Filled with the same sand or earth as the bags it replaces, an RDFW wall can be constructed in one twentieth the time, using only one fifth the labor, of a comparable sandbag wall. With RDFW, a crew of six soldiers and one loader operator can construct a fortification wall 100 feet long, four feet wide, and four feet high in just one hour.



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With RDFW, a crew of six laborers and one loader operator can build a wall 100 feet long, four feet wide and four feet high in one hour. An equivalent sandbag wall requires 35 laborers over 19 hours to construct.



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For over 100 years, American soldiers have relied on hand-filled sandbags for ballistic and blast protection. It's time for something better.



Sandbag walls, while providing effective blast and ballistic protection, are also slow to build and incredibly labor-intensive. The Rapid Deployment Fortification Wall has been created to provide equal protection much more quickly and with much less labor than sandbags.



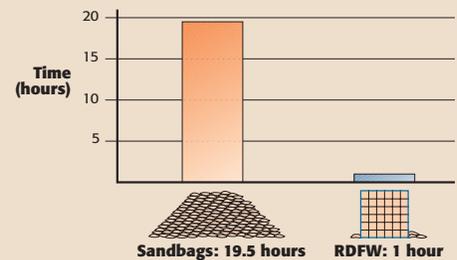
Rapid Deployment = Greater Protection

In modern warfare, speed and mechanization can be just as decisive as firepower. Speed of deployment, speed of emplacement, and speed of maneuver are all critical aspects of victory.

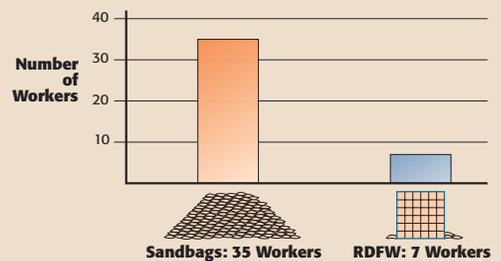
With RDFW, you dramatically increase the speed with which you can emplace your forces. RDFW provides you a means to leverage your earthmoving machinery to quickly create hardened positions, rather than relying on the incredibly slow method of hand-filling individual sandbags. With RDFW, your forces are protected much sooner than they could possibly be with sandbags.

In fact, RDFW is so much faster than sandbags that it might just be considered a **"revolution in military affairs"** product. RDFW's speed gives your forces brand new capabilities in terms of rapidly establishing blocking positions, forward operating points, and fire support bases.

RDFW vs. Sandbag Comparison: 100-foot wall, 4 feet high



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