



US Army Corps
of Engineers®

RAPID



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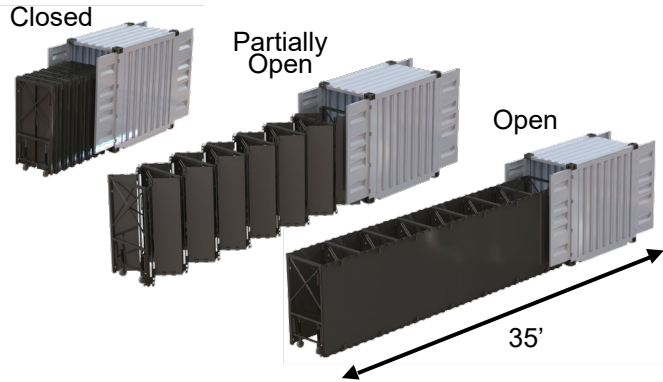
Building Strong®

DISCOVER | DEVELOP | DELIVER

Ready Armor Protection for Instant Deployment

Features

- No construction required
- Placement and recovery of 35-foot protective wall in less than 30 minutes
- No specific MOS required
- No equipment or special tools needed
- Easily recovered and reused
- Protection provided from small arms, indirect fire, and blast threats
- Provided intrusion prevention and line-of-sight denial
- Protection level tailorable using layered armor panels
- Collapsible space frame units for optimized logistics
- Wheels and hydraulic system for easy setup



Product Description

The Ready Armor Protection for Instant Deployment (RAPID) is a rapidly deployable protective barrier for critical asset protection and urban operations. RAPID utilizes a hydraulic system and wheels to reduce the manpower and time required to deploy. RAPID is integrated into a Quadcon for storage, transport, and during use. When expanded for use, RAPID provides ballistic/fragmentation protection, intrusion prevention, and line-of-sight denial. RAPID is scalable, recoverable, and can be tailored to meet specified threats.



The U.S. Army Engineer Research and Development Center (ERDC) solves the nation's toughest engineering and environmental challenges. ERDC develops innovative solutions in civil and military engineering, geospatial sciences, water resources, and environmental sciences for the Army, DOD, civilian agencies, and our Nation's public good. Find out more on our website: www.erdcd.usace.army.mil. Approved for public release; distribution is unlimited. April 2021.



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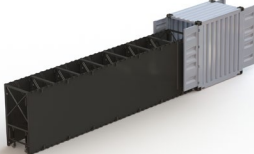
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Performance

Protects against small arms, indirect fire, blast, and vehicle-ramming threats
Adaptable to uneven terrain and up to 10 percent slopes

Kit Information

NSN	Visualization	Description	Weight
Not assigned		Kit: 24.5' x 6.5' x 3.4' wall in one 8' x 8' x 4.8' Quadcon (Quadcon can be used with wall to allow 35' barrier)	Basic AC - 9,000 lbs Full AC - 11,000 lbs
Kits			ROM Cost
Basic AC Full AC			TBD

Component	NSN	Quantity
RAPID unit	Not assigned	7
Hydraulic pump arm	Not assigned	1
Winch with strap and stabilizer tubes	Not assigned	1
Winch bracket for Quadcon	Not assigned	1
Winch bracket for vehicle	Not assigned	1
Deployment cable	Not assigned	1
Container jack with socket wrench	Not assigned	2
Wheel chock	Not assigned	2
Ramp	Not assigned	1
Side bar	Not assigned	2
Locking pin	Not assigned	12
Set of chains with ratchet load binder	Not assigned	2
Rubber mallet	Not assigned	2
Armor panels handle	Not assigned	2
E-Glass custom panel	Not assigned	56
Quadcon	Not assigned	1

Technical POCs

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