



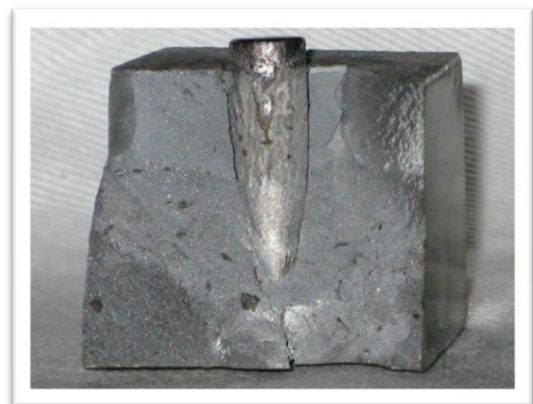
MEGA Matrix Technology – Aluminum Composite panels for ballistic protection and structural applications



Large Squeeze Cast Panels Offer Lightweight Protection for Military Applications

REL's casting capabilities includes:

- Large scale squeeze cast aluminum or magnesium metal matrix composite components - 2 foot x 2 foot in size
- Casting both wrought alloys (i.e. 5083, 6061, 7075) and casting alloys (i.e. A356, A359, A390 concurrently for tailored layers properties in a single cast component
- Functional gradient technology – Grading ceramic content to optimize load transfer and multi-hit capability in a ballistic event



Applications:

- Stiffening Plates for integrating with armor systems
- Reinforced lightweight doors and hatches
- Selective structural reinforcement

REL, Inc.
57640 North 11th St
Calumet, MI 49913
Phone: (906) 337-3018
Fax: (906) 337-2930
Email: rel@relinc.net