

DEPENDABLE

With these advancements we are able to increase reliability and decrease material fatigue while still maintaining a lighter weight than any competing products. Our NDE labs feature:

- SSP™ construction. Vacuum laminated sidewalls with ultra-high density core with structural thermoset adhesive faced with 0.40 pre-painted aluminum. (Incredibly light and strong)
- Construction methods proven in aerospace, marine, rail systems, and transport.
- Revolutionary structural aluminum exoskeleton frame
- Complete PVC interior cabinetry and components for zero maintenance, lightweight, and superior chemical resistance.
- True interior modular construction methods with many options and unlimited customization available.
- Low current LED lighting and energy efficient ventilation fans.
- All trim completed in stainless steel or aluminum for strength and amazing corrosion resistance.
- Radio, CD, USB Charging and iPod/mp3 integrated stereo system available.
- A/C available.
- Complete stand alone units available
- Factory Painted aluminum exterior for minimal maintenance
- Aircraft grade cast aluminum corner caps



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ARMORLITE

TECHNOLOGIES INC

"Where quality meets innovation"



"The innovation in Armorlite's products is beyond anything I have seen in years and will revolutionize the shell industry."

Robert Muschket, Owner IR Supplies & Services, Edmonton, Alberta, Canada

"This unit has proven to be a game changer in our Darkroom fleet. Its light weight, set up for practicality and is hands down the best looking darkroom on the road today."

Mike Smith, Vice President, Mistras Canada

Building upon our past experiences, we have designed a revolutionary group of products specific to the NDE industry. The initial product was used to create a mobile lab with a composite exoskeleton design. These advancements have enabled us to create products that increase durability longevity and maintain a lighter weight than any competing products. This coupled with our decades of experience in the NDE industry allows Armorlite Technologies to offer labs and insight as to your company needs better than any company in the world today.



Armorlite Technologies is at the forefront of composite construction material innovation. With our in house developed Stressed Skin Panels (SSP) we can develop products that can meet or exceed the strength of other composites, while boasting superior insulation values, higher durability, and the lightest weight products in the industry. With this advanced technology, and a process developed to join our panels that do not include external rivets or screws, we are able to design the most advanced units available.



SSP - Stressed Skin Panels
Armorlite technologies strives To be an industry leader in the fabrication of stressed skin specialty panels. These panels provide customers with an extremely strong yet incredibly lightweight construction material that spans a wide cross section of numerous industries. Unlike other composite materials our panels are able to provide strong structural support yet still retain high "R" insulation

They key to this technology is the way the panels are manufactured. Highly durable structural grade aluminum sheet is bonded to a rigid ultrahigh density insulating core. The bonding takes place in an industrial press under extreme pressure.



This flexible construction method eliminates corner stresses commonly found both in fiberglass and welded units, allowing the body structure to shift smoothly with the environmental changes without fractures or buckling.

Pultruded Fiberglass Flooring

Floors in any unit must be durable and strong, it is the surface that carries the highest load and abuse. Not only does this work surface need to be strong, it must also allow for thermal

Expansion/contraction and have superior resistance to various chemicals, (protecting the unit where it is required most) and be rugged enough to withstand years of constant wear and abuse.

After researching and testing various materials we have found pultruded fiber glass to be the material of choice.

This is a specific fiber that is weaved and compressed into a very dense substrate. Highly resistant to abrasion, free from voids or weak points, and thermally stable. A perfect material to compliment the clean lines and build structure of our units.

The end result is an extremely stable structural panel that retains the highest level of strength while upholding its ultralight weight. This is a technology that has been employed in the aerospace, rail, and marine industry for years where light weight and high strength is a requirement.

Aluminum Extrusions

The key requirement in building a strong and resilient structure is a design that allows movement in the corners and edges, to prevent stress cracking.

Our aluminum extrusion and bonding process allows for extreme lateral movement while still maintaining 100% structural rigidity.

Quality of Life

Armorlite Technologies also supports environmental sustainability, and has taken every step to ensure our company focuses on being a "Green Product" provider. That is why all external and internal materials are mold and rot proof, maintenance free, 100% recyclable, and have no VOCs released during construction of any of the components

