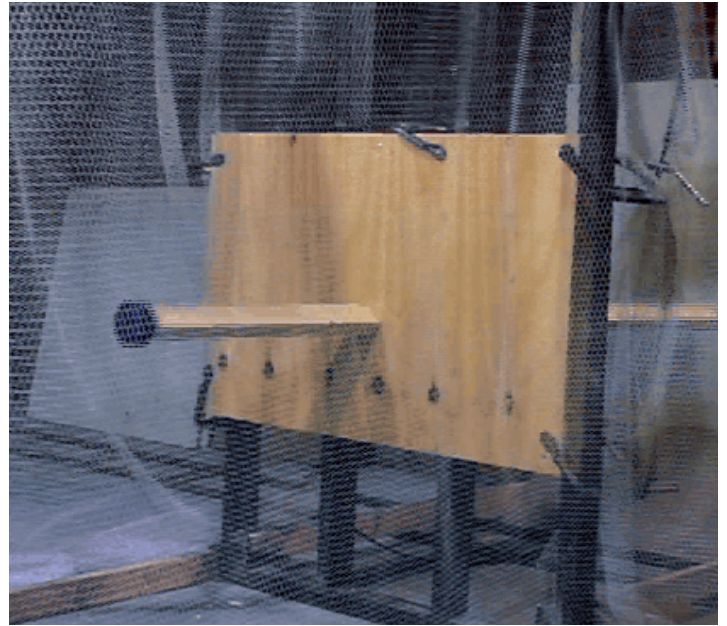
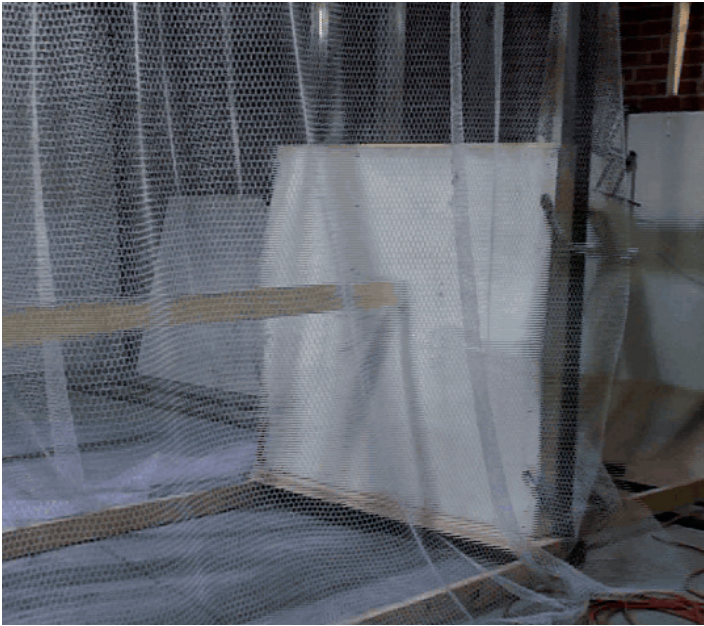


COMPARE

HS STORM PANEL vs. PLYWOOD

For Storm Protection



Simulated Tornado Winds

1/4" HS Storm Panel

Qty: 1

RESULTS: IMPENETRABLE

3/4" Sheets of Plywood

Qty: 5

RESULTS: FAILED

Strongwell's fiberglass HS Storm Panels are designed for ballistics and high impact performance. The panels are made with a proprietary resin mix and fiberglass fabric consisting of woven rovings to create panels that absorb large amounts of impact energy. Independent testing at Texas Tech University's Wind Science and Engineering Research Center has verified HS Storm Panels meet the criteria of FEMA 320 and are suitable for above ground shelter sheathing.

As seen above, a 15 lb. 2x4 timber missile propelled at 100mph is required by FEMA 320 testing. This relates to a missile propelled horizontally by a 250mph ground speed tornado. Strongwell's 1/4" thick HS Storm Panel panels meet the FEMA 320 criteria whereas 5 layered sheets of 3/4" thick plywood failed.

Protect yourself. Try HS Storm Panel for hurricane or tornado protection.

Comparison of the features of fiberglass HS Storm Panel compared to plywood protection on back.

COMPARE! FIBERGLASS HS STORM PANEL vs. PLYWOOD

| | | |
|--------------------------------|--|--|
| IMPACT RESISTANCE | HS Storm Panel can absorb impacts from flying debris without cracking. Meets FEMA 320 criteria for tornados. | Very poor impact resistance. Multiple layers do not meet FEMA 320 criteria. |
| ROT RESISTANCE | Superior resistance to water absorption and a wide range of chemicals. Will not rot and can be reused several times. | Will warp, rot and decay due to water and chemical exposure. Generally discarded after one-time use. |
| INSECT RESISTANCE | Unaffected by insects. | Susceptible to insect attack (marine borers, termites, etc.). Coatings to increase resistance to insects can be environmentally hazardous. |
| ENVIRONMENTAL IMPACT | HS Storm Panel is inert and does not release toxic chemicals. | Treated wood has been banned for several applications. Extreme care in use and disposal is required.* |
| ELECTRICAL CONDUCTIVITY | Low conductivity properties — high dielectric capability. | Timber can be conductive when it is wet. |
| COST | Lower maintenance, longer product life often equals lower overall costs. | Lower initial cost. |
| WEIGHT | Very thin and lightweight, therefore, easy to install. HS Storm Panel can be stored for later reuse. | General one time use because plywood absorbs water and rots. |

*Surface dry at 19% max moisture content *Design Values for Wood Construction, National Design Specification for Wood Construction.*

Watch hurricane and tornado testing simulations at www.strongwell.com/videos.



STRONGWELL

ISO-9001 Quality Certified Manufacturing Plants

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