



Intercept Technology Packaging Contributes to NIPHLE Packaging Design Award Win for US Army, Stewart & Stephenson, and AIS

NIPHLE awarded its 2006 Long-Life Packaging Award, and Best of Show honors to the US Army TACOM, Stewart & Stephenson Corp, and Advanced International Services on 7 June 2006 for a specialty crate lined on the inside with Intercept Technology packaging. The Intercept Shrinkfilm inserted on the inside walls and ceiling, and the Intercept Fabric on the crate floor scavenge the corrosive gases trapped in the crates, while further preventing the penetration of the corrosive acetic and formic acids released by wood and plywood.

Baltimore, MD (PRWEB) June 14, 2006 -- NIPHLE (National Industrial Packaging, Handling, and Logistics Engineers www.niphle.org) awarded its 2006 Long-Life Packaging Award, and Best of Show honors to the US Army Tank and Automotive Command (TACOM), Stewart & Stephenson Corp (S&S), and Advanced International Services (AIS) on 7 June 2006 for a shipping and storage crate lined on the inside with Intercept Technology packaging. The NIPHLE Conference, held in Baltimore, Maryland, June 5-8, 2006, bestowed the award in the presence of a record number of senior industrial and military packaging experts.

The long-life crate design, required by TACOM, was for the US Army's Low Signature Armored Cab (LSAC) manufactured by S&S. About 2500 LSAC crates, each approximately 8'W X 8'D X 8'L, were made by AIS and shipped to Iraq. The crates were designed with a double purpose - to ship the uparmored cabs to Iraq, and then be used to store the removed standard cabs for multiple years. It is the Intercept Technology that puts the "long-life" into the design. Intercept Technology resin is a reactive copper covalently bonded to the plastic matrix, and because it is chemical-free, it can't contaminate the stored item or persons handling the packaging.

The Intercept Shrinkfilm, comprised of an inside layer of Static Intercept resin (which is the more robust of two forms of Intercept), was inserted on the inside walls and ceiling, and the Intercept Fabric on the crate floor. Both materials were provided by FPM Inc. www.InterceptShrinkfilm.com. Static Intercept scavenges the corrosive gases such as chlorides, sulfides, ozone, and nitrous oxides, trapped in the crates during initial packaging and later repackaging, while further preventing the penetration of the corrosive acetic and formic acids released by wood and plywood during the long-term storage. These acids, unless otherwise eliminated, would deteriorate the metallic and nonmetallic components of the stored military truck cab. The Intercept copper further inhibits the formation of mold and mildew on the surface of the plastic.

The crate design received an additional honor by the US Army Materiel Command Logistics Support Activity, Packaging, Storage and Containerization Center, Tobyhanna, PA when a US official in Iraq wrote a situation report stating, "...the repackaging process was perfect for the application. By originally designing the container to be reusable, the contractor was able to very easily ship the old cabs home at a minimum in labor and material cost. This is an outstanding example of reusable packaging at work."

The LSAC crate design is seen as a precursor for future industrial and military crates, where long-term anti-corrosive storage is desired.

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