



**ROOF HUGGER®**



## Roof Hugger Receives New Patent For Use With Existing Standing Seam Roofs

**Odessa, FL** - Roof Hugger Inc., supplier of metal-over-metal retrofit sub-purlins, recently received patent number 8024906 from the U.S. Patent & Trademark Office. Roof Hugger's latest patent is designed for existing standing seam metal roofs that were originally installed with high stand-off clips and thermal spacers. This new sub-purlin system addresses the problem of the existing panels floating above the building purlins with special standoff fasteners.



In addition, the Huggers have a new and unique "anti-rotational arm" to prevent "rolling" when the new metal roof reacts to thermal forces. In some cases this part can also be incorporated to brace taller-than-normal Huggers when adding 6" of insulation or more between the old and new metal roofs.

Roof Hugger recently celebrated its 20th anniversary of providing their factory-notched sub-purlins for retrofitting existing metal roofs. Today, the Roof Hugger team is proud to say that the Hugger has now been installed on over 60 million square feet of existing roofs.

According to Dale Nelson, President of Roof Hugger, overall sales have grown in the recent down construction market by creative new product enhancements.

Metal-over-metal retrofit is a niche in the overall retrofit construction market that most manufacturers and contractors

have only just begun to tap into. It is a growing market that can take full advantage of the numerous advancements in metal roofing finishes, insulation, energy recovery/generation systems and available panel profiles. 30 to 40

years ago most metal roofs being installed were largely thru-fastened ribbed panels, in the early 1980's standing seam metal roofing was gaining in market share. Since then, standing seam roofs have come to the forefront as being specified more than thru-fastened systems. In the past five years, the number of Huggers being installed over existing standing seam roofs has more than doubled as these first generation systems are now exceeding 30 years of service. Roof Huggers can be manufactured for virtually any metal roof profile whether thru-fastened or standing seam.

For more information on metal-over-metal retrofit re-roofing, contact Roof Hugger at 800-771-1711 or visit [www.roofhugger.com/index.asp?ctid=908](http://www.roofhugger.com/index.asp?ctid=908).

**Lehigh Valley, PA** - Palram Americas, a leading manufacturer of polycarbonate and PVC

sheets, has unveiled the PALSIELD™ product line of containment and bullet-resistant polycarbonate glazing. PALSIELD is engineered to meet various levels of ballistics and forced entry test standards. Its layered structure and no spall design will withstand both

physical attack and multi-shot assault while the abrasion resistant coating ensures long-term clarity. PALSIELD is also nearly half the weight of the glass equivalent products.

"Palshield is among the best containment grade and bullet-resistant products that I have seen in my 10-plus years in the security lami-

nate industry," stated Tim Cronrath, Palram's Product Manager.

"Performance test results for Palshield give us great confidence that Palshield will be a strong competitor to other products currently available in the marketplace."

PALSIELD includes a 7-year limited warranty against structural delamination, coating failure, loss of abrasion resistance, yellowing and loss of light transmittance.

PALSIELD may be used as security glazing in banks, convenience stores, prisons, government facilities, ticket booths, kiosks, and much more.



**Palram Unveils PALSIELD™ Containment & Bullet-Resistant Glazing**



For more information, visit [www.palramamericas.com/palshield](http://www.palramamericas.com/palshield).