

Federal-Mogul Announces QuietShield® (GRN) – Environmentally-friendly solution to reduce cabin noise

Federal-Mogul Corporation has developed an innovative, environmentally-friendly product that helps automotive manufacturers eliminate noise in a vehicle's cabin using recycled waste packaging and other by-products normally discarded at a vehicle manufacturing plant.

QuietShield® GRN's (Green Non-woven) first application will be General Motors' 2010 Buick LaCrosse luxury sedan.

Cardboard packaging used by manufacturers is recycled into QuietShield® GRN and is used as eco-friendly acoustical padding to reduce noise in the passenger compartment. QuietShield's applications include headliners, sound deadening padding in headrests, doors, kick panels and truck liners, just to name a few. More importantly, QuietShield® represents a lower cost solution to provide acoustical padding versus traditional products, in addition to reducing landfill utilization and waste disposal costs.

Federal-Mogul was a recipient of General Motors' 2008 Environmental Excellence Award for significant environmental contributions in developing this innovative product.

Automotive manufacturing plants today receive numerous parts for delivery to the assembly line in cardboard containers and other packaging. Some of these containers are made of recyclable materials, others are not. In both cases, when empty, the automaker pays to transport cardboard packaging and other refuse to a recycling center or landfill. The contents include domestic cardboard, carpet fibers, recycled yarns and fabrics, plus certain Asian cardboards, not previously thought to be recyclable due to short fiber length construction. The recyclable by-products collected at the manufacturing plant are shredded, combined with other recycled materials, formed into a web and bonded in a unique manufacturing process by Federal-Mogul. The manufacturing process was developed by Federal-Mogul's engineering experts, drawing on their expertise in the development and manufacture of high performance textile-based

protection products. QuietShield® can also be used in other habitat or industrial environments where noise isolation is required.

“Producing QuietShield from materials that would otherwise be discarded is not only cost effective but truly earth friendly, enabling our customers and all of us to progress in our efforts to be environmentally responsible,” said Ramzi Hermiz, senior vice president, Vehicle Safety and Protection, Federal-Mogul. “We expect QuietShield, and innovative products like this, to have a larger presence on vehicles and many other applications in the future.”

QuietShield® GRN is another solution provided by Federal-Mogul's Systems Protection group, maker of Bentley-Harris® brand protection products and the world's foremost supplier of protective solutions for passenger and commercial vehicles. These solutions provide protection against abrasion and mechanical damage, noise, vibration and thermal conditions, as well as reduce emissions, for example by insulating exhaust pipes to improve diesel particulate filter performance.

Manufacturing automobile, commercial vehicle or industrial products from materials that reduce environmental impact is not a new concept for Federal-Mogul. The company is today the world's leader in the design, development and production of a number of environmentally friendly products for these markets.