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ISOTRON FIELDS DIGITAL PATTERN CAMOUFLAGE COATING

SEATTLE, WA, March, 2009 – Isotron applied its Chemical Agent Resistant Coating, IsoCARC™, to a land-sea military vehicle in the Marine Corps' digital camouflage pattern, or MARPAT. This demonstration was the first MARPAT application on this fleet of vehicles. The painting and pattern were applied by the Isotron team at the Coronado Island Naval Station in California.

IsoCARC is a next-generation coating that provides visual camouflage and chemical protection to military vehicles and other ground equipment. Due to their polymeric structure, coatings tend to absorb chemicals that come into contact with the coating surface. These chemicals can persist in the coating and can be released from the coating over time, thereby becoming a contact or inhalation hazard. Military coatings must be resistant to hazardous chemicals such as chemical warfare agents to provide a safe operating environment to the warfighter, thus CARC-type coatings were invented during the Cold War. Isotron engineered the zero-VOC, isocyanate-free IsoCARC to meet the application, operational, and safety needs of today's military.

MARPAT is composed of two patterns – the macropattern and micropattern. The macropattern is derived from an analysis of the symmetry axes of the vehicle. The macropattern degrades the observer's ability to recognize the shape of the vehicle. Once the general configuration of the macropattern is determined, patches of contrasting pattern elements are established. These light and dark areas are then decomposed into small pixels. The size of the pixels is determined by survey of the likely deployment areas, which yields a basic texture unit or "optel" that will be matched by the size and configuration of the pattern pixels.

Isotron Corporation is a small business specializing in materials research for environmental remediation and protection. The company has been involved in large scale radionuclide decontamination as well as chemical and biological agent decontamination and protective equipment since its inception in 1986. Isotron is located in Seattle, Washington. For more information, visit <http://www.isotron.net>.