

SBIR 06.2 PHASE I - AWARD DETAILS	
ORGANIZATION	NSC
TOPIC NUMBER	A06-170
CONTRACT NUMBER	
YEAR OF AWARD	
AWARD START DATE	
AWARD COMPLETION DATE	
PROPOSAL NUMBER	A062-170-1002
TITLE	Development of Extruded Self Mating Closure System
PROJECT MANAGER	Henia A Bodalski (610) 667-5589 henia@dmgroup.org
COMPANY	Diversified Marketing Group, Inc 109 Forrest Avenue Narberth PA 19072 Minority Owned: No Veteran Owned: No Number of Employees: 10
KEYWORDS	Self-Mating Closure System, Self Mating Fastener Tape, Fastener Tape, Extruded Closure, Super Hook and Loop, Stealth Closure System, Noise Reduced Fasteners, Single Touch Fasteners
ABSTRACT	Hook and loop technology lags behind the present needs of the military and commercial marketplaces. There is a perceived need for new and improved products. Diversified Marketing Group's SBIR proposal puts forward the most significant advances, offering a whole new family of extruded "single touch," "self-mating" closures that revolutionizes every testable property and characteristic specified for Type II, Class I of A-A-55126. DMG proposes to combine R&D and the marketplace need, the driving force behind the development and sale of innovative products. "Traditional" hook and loop products are not "self-mating closures" and the woven construction lends to peeling, "edge fray" and loop material fatigue; engagement and disengagement force requirements and launderability failures are manifest. New Self Mating Closures must prove compatible with all existing manual and automatic sewing equipment without needle and thread breakage. It must be durable with an extended life cycle. The new product will come in widths from 5/8" to 4 inches. It will neither fray nor peel; it will exhibit color fastness; it will be flame retardant and heat resistant to ironing. It shall also be UV resistant, lint, dirt and mud repellent, and silent.
BENEFITS	Silent, secure Self Mating Closure Systems that will not fail in the field. Most applications where slide fasteners are presently utilized: Individual Protective Apparel Collective Shelter Equipment Outdoor Apparel Camping Gear Medical Clothing Interior Walls & Moldings Quick Set-up Exhibits, Booths Sports Equipment Airplane, Automotive & Marine Applications