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Automotive

SRM

SUPER REPAIR MMA

TWO-COMPONENT METHACRYLATE ADHESIVE

- Bonds a wide variety of surfaces
- For durable bonding
- Ideal for bonding all types ofPVC, polycarbonate, acrylic, fiberglass, PBT, PPO, ABS, FRT, polyurethane, epoxy, wood, RIM, nylon, FRP, polyesters, styrene, stainless steel, carbon steel, galvanized steel, etc.



GENERAL INFORMATION

Super Repair MMA is a two-component, 100% reactive, toughened structural meth-acrylate adhesive specifically formulated for bonding wide variety of metals, thermoplastics, thermosets, and composite assemblies.

TECHNICAL INFORMATION

TYPICAL PROPERTIES:
Component A / B / Mixed
Chemical Base: MMA
Mixing ratio by volume: 1 (A/B)
Colour: offwhite (A), amber (B), ambra (mixed)
Appearance: Pasty
Viscosity: . 50.000 mPas (A/B), 90.000 mPas (Mixed)
Relative density: 0,96
Service temperature: -40/ +120°C
Shelf life: 12 month
Working time (mixed): 15-18 min.
Fixture time (mixed): 35-40 min.
Full cure (mixed): 24 hours

CHARACTERISTIC OF CURED PRODUCT:

The below properties have been obtained through standard samples tests, made bonding by overlapping samples of different materials of dimensions 100 × 20 × 20 mm with an adhesion area of 20 × 20 mm. The values, obtained with standard methods on typical lots, are exclusively provided as technical information, and not as product specification. In any case, it will be up to the user to test the product for a specific situation and then give his final approval.
Gap filling: Up to 3 mm
Hardness at full cure (mixed): Shore 66 D (ASTM D 2240)
Elongation (mixed): 18%
Tensile Shear Strength (DIN 53283): 20.7 N/mm2
Peeling Strength: 3,1-3,5 N/mm
Adhesive Tensile Shear (steel/steel - ASTM D 1002): 28.9 N/mm2
Adhesive Tensile Shear (Al/Al): > 24.7 N/mm2
Adhesive Tensile Shear (ABS/PVC): Stock failure
Adhesive Tensile Shear (Fiberglass/Fiberglass): Stock failure
Adhesive Tensile Shear (SMC/SMC): Stock failure
Impact Resistance: 960 N* m/m

APPLICATION AND USE

- Pre-treatment of thermoplastics materials such as PVC, polycarbonate, polypropylene, PMMA, etc., can be made using a mixture of light ethers or with iso-propanol. Use of strong solvents is not recommended due to the risk of damage to the plastic surface. Pre-treatment of other surfaces can be made using acetone or trichloroethylene. Petrol or other solvents should never be used. Where possible, carry out a mechanically abrading to remove paint from the surfaces (where necessary) and to increase strength and holding gluing. Let dry the pre-treated area before applying the adhesive.
  Proper mixing is required for the curing and adhesive strength development.
- Ideal for bonding all types of PVC, polycarbonate, acrylic, fiberglass, PBT, PPO, ABS, FRT, polyurethane, epoxy, wood, RIM, nylon, FRP, polyesters, styrene, stainless steel, carbon steel, galvanized steel, etc. For producing long term bonds, and for virtually all adhesive and repair work requiring mechanical processing. Bonds a wide variety of surfaces For automotive components, sporting goods, electronics parts, tool handles, appliances, computer assemblies, electrical components, furniture, marine assemblies, plastic fabrications, sign & display, etc.

Article nr	Name	Content	Catalog

NOTICE

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