EVERCOAT

PRODUCT INFORMATION SHEET

PRODUCT: QUANTUM 1™ **Small Repairs**
10:1 Single Step Repair Technology

PART NUMBER:

100**470 (Fast)**	**9.3 fl.oz. cartridge**	**6 units per case**	**7 lbs. per case**
100**474 (Slow)**	**9.3 fl.oz. cartridge**	**6 units per case**	**7 lbs. per case**

DESCRIPTION: Quantum1 is Evercoat's first single step body repair technology. Its self leveling formula is specially engineered to fill smaller, single panel repairs and eliminates the need for finishing putty. Dispensing and mixing is made easy with the unique two component cartridge. Never guess again how much catalyst is the right amount. Quantum1 utilizes patent pending 10:1 technology that is the successful integration of polyester and epoxy chemistries. As a result, Quantum1 has less shrinkage, better sandability and better repair quality than traditional body fillers and putties. Quantum1 also passes 500 hours salt spray (ASTM B117) and is compatible with HAPS-compliant and waterborne coatings.

FEATURES & BENEFITS:

Feature/Advantages	Benefit
Eliminates finishing putty from the repair process	Saves time and money by simplifying the repair process using less sandpaper
Easy sanding	Saves time by eliminating coarse grit sand scratches that need to be removed prior to applying primer.
Unique two component cartridge simplifies mixing by dispensing repair compound and catalyst at proper 10:1 mix ratio	Eliminates guessing how much catalyst to use for proper mix ratio saving users time.
Product is available in two speeds! (#470 Fast for conditions below 80°F/27°C or #474 Slow for conditions above 80°F/27°C)	Saves money lost to reworking failed repairs due to over or under catalyzed filler or putty.

APPROVED SUBSTRATES:

- **Steel**
- **Galvanized Steel**
- **Aluminum**
- **SMC**
- **Fiberglass (cosmetic repairs only)**
- **For structural repairs prone to high degrees of stress and flexibility, use a fiber reinforced filler such as Everglass®, Kitty Hair® or Fiber Tech®.**

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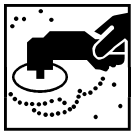
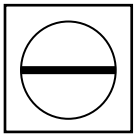
PREPARATION:



- Clean and degrease the entire panel to be repaired with soap and water, followed by wax and grease remover or cleaning solvent. Thoroughly dry surface before repairing.
- Remove base coat with 80 grit or finer sandpaper. Small repairs may be sanded with 180 grit.
- Use 180 grit sandpaper to featheredge the paint.

MIXING:



#470/474 Cartridge w/ Ratio Check Tip (Included with cartridge)

- Insert ratio check tip and equalize the cartridge.
- Dispense material onto mixing board.
- Fold catalyst into material until uniform color is achieved.

#470/474 Cartridge w/ optional #472 Static Mix Tip

- Equalize the cartridge.
- Attach #472 static mix tip to cartridge and dispense a bead at least the length of the tip.
- Apply directly to repair area.

APPLICATION:

- Apply in thin layers and spread smoothly from edge-to-edge over the entire repair area. (Do not blob on or apply all at once as this causes pinholes) To ensure best adhesion apply firm pressure with spreader when applying.

FINISH:

- Ready to sand in approximately 10-12 minutes if using #470 or 15-20 minutes if using #474, change in air temperature will impact dry to sand time. Sand hardened material with 180 grit sandpaper.
- DA sand and featheredge with 180 grit or finer. This will provide a smoother finish and reduce the number of coats of primer required for a quality finish.

TECHNICAL SPECIFICATIONS:

Appearance	#470: White and blue colored paste #474: White and red colored paste
VOC	Packaged: 1.19 lbs/gal (143 g/L) Applied: 1.00 lbs/gal (120g/L)
Weight per Gallon	8.50 lbs/gal (1.019 kg/L)
Gel Time	#470: 3-4 minutes #474: 4-5 minutes
Sand Time	#470: 10-12 minutes #474: 15-20 minutes
Shore D Hardness	60 (24 hour cure)
Max Recommended Thickness (sanded)	1/4 inch
Contents and Cautions	MSDS available upon request

NOTE: **Properties are typical values and should not be considered as sales specifications. Physical testing performed at approximately 70°F (21°C) / 75% RH unless otherwise noted.**

SAFETY & HANDLING: Read all directions and warnings prior to using Evercoat products. Material Safety Data Sheets can be found online at evercoat.com.

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