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Tam Tech Adhesive 50

(Adhesive For "Hard To Bond" Materials)

"No Special Surface Preparation or Heat Treatment Necessary"

Product Description:

Tam Tech Adhesive 50 is one of the top performing adhesives in the industry. It is a very high performance structural adhesive designed to work with "hard to bond" materials like: HDPE (high density polyethylene), LDPE (low density polyethylene), PE, polypropylene, ABS, nylon, Teflon, rubber, TPE's (like Santoprene), polycarbonate, fiberglass, PVC and it bonds to concrete, steel and aluminum. It is a modified polymer in a proprietary formulation supplied in a 1-1 ratio with cartridges.

Features & Benefits:

- One of top adhesives in the industry
- Bonds polyethylene & polypropylene
- Bonds dissimilar materials
- No special surface preparation necessary
- Very good chemical resistance
- Excellent resistance to water
- Replaces mechanical fasteners

Technical Data:

- VOC Content: Less than 2%
- Viscosity: Part A - 300,000 cP & Part B - 25,000 cP
- Color: Mixed – Opaque
- Pot Life/Working time: 5-6 minutes at 72 degrees F (22 degrees C)
- Time To Handling Strength: 1 hour at 72 degrees F (22 degrees C)

Cured Materials

	Lap Shear Strength	
	lbs/square inch at 75 degrees F	
	24 Hours	48 Hours
HDPE TO HDPE	560	1120
Polyethylene to Polyethylene	490	1040
Polypropylene to Polypropylene	580	1190
Teflon to Teflon	210	285
Glass Reinforced Polyester	645	1310
EPDM to EPDM	305	525
Steel to PP	540	1005
Steel to HDPE	550	1003
Aluminum to HDPE	360	569
Aluminum to PP	330	560

Tam Tech Adhesive will also bond combinations of the materials listed above in the chart.

**Instructions:**

If material to be bonded is smooth, first rough up surface with 120 grit sandpaper or emery cloth. Clean surface from dirt, grease, sanding particles, etc. Then place cartridge in dispensing gun and twist off cap. Pump the gun until both the materials comes out. Wipe the end of the cartridge clean. Then attach static nozzle mixer with a twisting motion. Apply uniform pressure and dispense adhesive until color and consistency is uniform. (3" to 6" of material) Then apply Tam Tech Adhesive to surfaces to be bonded and attach materials within the 5 - 6 minute working time at 72 degrees F (22 degrees C). Storage: store cartridges on their side in the shade or a cool location.

Packaging:

50 ml (1.7 fl oz) cartridges and 400 ml (13.5 fl oz) available

Limitations:

Store product on it's side at less than 75 degrees F. (24 degrees C). Substrate and air temperature should be above 40 degrees F (4 degrees C) during application. Cool weather will slow down cure time and hot weather will accelerate it. Always test a small portion of the Tam Tech Adhesive to insure it is mixed properly and will gain strength before proceeding.

Warning:

Skin contact may cause irritation, redness or rash. Wash thoroughly with soap and water after handling. Use safety glasses and wear protective gloves. Keep out of eyes, may cause eye damage, rinse with water for several minutes and seek medical attention. Use with adequate ventilation or if ventilation is poor, refer to SDS for further information. See SDS for complete information. For industrial use only. Keep out of reach of children.

Warranty:

Tamarron Technology warrants for 12 months from the date of manufacture that the product is free of manufacturing defects and conforms to the company's published technical data and specifications. Tamarron Technology shall only be liable under this warranty if the product has been applied, used and stored in accordance with the instructions on this technical data sheet. Disclaimer: Neither manufacturer nor seller has any knowledge or control concerning the purchaser's use of the product. No expressed warranty is made by manufacturer or seller with respect to the results of any use of the product or container that the product comes in. No implied warranties including, but not limited to, an implied warranty of merchantability or an implied warranty of fitness for a particular purpose are made with respect to the product. Neither manufacturer or seller assume any liability for personal injury, loss or damage resulting from the use of the product. In the event that the product shall prove defective, buyer's exclusive remedy shall be as follows: Seller or manufacturer shall, upon request of buyer, replace any quantity of the product which is proved to be defective or shall, at its option, refund the purchase price of the product upon return of the product.