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Tam Tech Gel Adhesive Fast Set

(Fast Setting, High Performance Epoxy Gel Adhesive)

Product Description:

Tam Tech Gel Adhesive is a special formulation, high performance epoxy adhesive that is a proprietary epoxy that has been modified to tremendously improve the performance. It is a two component adhesive with a gel consistency. It is perfect for many adhesive applications including bonding metals, concrete, wood, stone, etc. Applications include anchoring rebars, dowels and bolts into concrete as well as structural bonding and patching. It can be used on damp surfaces and is also used for sealing cracks to prevent water intrusion.

Features & Benefits:

- Fast setting
- High performance, structural adhesive
- Low Odor
- Works on damp surfaces
- Resists freeze-thaw damage
- Resistant to salt water

Technical Data & Specifications:

Meets ASTM C881: Types I, II*, IV & V*; Grade 3, Classes A, B & C.

Meets specifications for use in food processing areas from the US Department of Agriculture.

Mix Ratio: 1 to 1

Color: Gray when mixed.

Consistency: non-sag gel

Gel Time: 7 to 9 minutes at 74 degrees F (23 degrees C)

Compressive Strength: ASTM D-695: 10,110 psi

Shear Strength: ASTM D-732: 3300 psi

Flexural Strength: ASTM D-790: 5270 psi

Concrete Bond Strength: ASTM C-882: 4380 psi

Compressive Modulus: ASTM D-695: 263,000 psi

Water Absorption: ASTM D-570: .12 %

* Except gel time

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.

**Instructions:**

For cartridges:

1. First remove screw cap from nozzle.
2. Remove plug from top of cartridge.
3. Screw static mixer onto top of cartridge.
4. Load cartridge into dispensing gun.
5. Dispense adhesive until color is uniform gray. Do not use if streaks persist.
6. Cartridge is now ready to use.
7. Use constant uniform pressure (do not over pump the dispensing gun) and maintain uniform gray color.

For bulk containers: Premix part A and part B separately. Then mix equal volumes of both for three minutes in a third container. Mix only what can be used within the gel time.

Surfaces should be clean. Remove all dirt, dust, oil, grease, curing compounds, etc.

For drilled holes, clean with nylon brush and then oil-free compressed air. Then place static mixer at the bottom of the hole and dispense adhesive while backing the static mixer out. The hole should be half filled. Insert the anchor, bolt or dowel rotating it slowly. Surfaces can be damp prior to installation but a dry surface will improve performance. For bonding surfaces, work material into surface. The glue line should not exceed 1/8" for bonding two surfaces together.

Packaging:

9.2 fl oz (250 ml) and 22 fl oz (600 ml) cartridges, 2 gallon (7.6 L), 10 gallon (37.9 L) and 110 gallon (416 L) units

Cure Time:

Gel time is 7-9 minutes at 74 degrees F. (23 degrees C). Minimum time for curing and applying load is 2.5 hours at 74 degrees F (23 degrees C)

Clean Up:

Clean material before it sets up. Use a solvent like xylene.

Limitations:

Store product above 40 degrees F. (5 degrees C) Do not thin with solvents. Substrate and air temperature must be above 40 degrees F during application. Always test a small portion of the Tam Tech Gel Adhesive to make sure that it is mixed properly and will gain strength before proceeding. Do not allow adhesive to remain in the static mixer or in mixing container for more than five minutes since it will start to harden. High temperatures will accelerate the set time and cold temperatures will slow down the set time.

Shelf Life & Storage Temperature:

Two years in unopened containers at 40 to 85 degrees F (5 to 29 degrees C)