

HI-TECH Systems

"HT Flex Gel"

Low Modulus Epoxy Joint Filler/Sealer

Product Description:

A technologically advanced, 2 component, semi-rigid, solvent free, moisture-insensitive, non-sag vertical epoxy joint filler and sealer. 2 component, 100% solids, and conforms to ASTM C.

Uses:

- ✓ Filling control joints in security settings
- ✓ Filling vertical non-moving saw cut control joints and random cracks
- ✓ As a flexible, low modulus adhesive

Features:

- ✓ Pick-proof
- ✓ Non-sag
- ✓ Excellent shock absorption properties
- ✓ Gel consistency ideal for vertical applications
- ✓ Easy to mix 1:1 ratio between components
- ✓ Low modulus
- ✓ Insensitive to moisture before, during and after use
- ✓ Meets USDA specifications for use in food processing areas

Coverage:

22oz. cartridge yields 39 cu. in.
1 gallon of mixed epoxy yields 231 cu. in.

Shelf Life: 1 year in original unopened container.

Storage Conditions: Store at 40°F to 95° F.

Consistency: Non-sag gel

Pot Life: Approx. 30 minutes. (100 gram mass.)

Appearance: Compound A = White B = Grey.

Performance Data:

Color (A+B)		Grey
Viscosity (mixed)		Gel
Mix Ratio (by volume)		1:1
Shrinkage	ASTM C-883	Passes
Absorption	ASTM D-570	0.84 %
Modulus of Elasticity	ASTM D-695	<90,000 psi
Tensile Strength	ASTM D-638	500 - 700 psi
% Elongation @ Break	ASTM D-638	65-75%
Gel Time	ASTM C-881	30 min.
Shore "D" Hardness	ASTM 2240	50-75
Shore "A" Hardness	ASTM 2240	80-90
Thermal Compatibility	ASTM C-884	Passes

Application:

Surface Preparation:

Surface must be clean and sound. It may be dry or damp, but free of standing water. Remove dust, grease, curing compounds, waxes, foreign particles and disintegrated materials.

Preparation Work:

Concrete: Sand blast or use other approved mechanical means.

Steel: Sandblast to white metal finish.

Bulk Mixing: For bulk mixing pre-mix each component thoroughly. Proportion equal parts by volume of Component "A" and Component "B" through appropriate metered epoxy mixing equipment as recommended by the manufacture. Mix only the quantity that can be used within its pot life and do not allow mixed material to reside in static mixing head or mixer for more than five minutes or nozzle blockage may result.

Available In:

Cartridges, (22 oz and 46 oz.) 2 Gallon Units,
10 gallon Units and 110 Gallon Units

Safety and Handling:

MSDS will be mailed immediately upon receipt of a purchase order or upon request. All personnel should read and understand product Material Safety Data Sheets provided. Long sleeved overall or disposable overalls, rubber gloves, splash shields, rubber or leather boots should be worn. Do not use near high heat or open flame. Do not take internally. Keep out of the reach of children.

Clean Up:

Uncured product can be removed with Citri-Clean or other approved solvent. Cured product can only be removed mechanically. Cured product may be disposed of without restrictions. Excess liquid 'A' and 'B' material should be mixed together and allowed to cure, then disposed of in the normal manner. Cured materials may be stripped or peeled from plastic tools and containers. It is recommended that metal tools be cleaned within one hour of use by cutting or peeling cured material from tool.

First Aid:

Remove any contaminated clothing. For eye contact, flush immediately with plenty of water for at least 15 minutes; contact physician immediately. For respiratory problems, remove person to fresh air. For skin contact, remove epoxy immediately with a dry cloth or paper towel. Wash area of contact thoroughly with soap and water. Solvents should not be used because they carry the irritant into the skin. Wash contaminated clothing prior to re-use. Cured products are innocuous.

Warranty:

HI-TECH warrants its products to be free of manufacturing defects will meet HI-TECH's current published physical properties when applied in accordance with HI-TECH's directions and tested in accordance with ASTM and HI-TECH's standards. There are no other warranties by HI-TECH of any nature whatsoever, expressed or implied, including any warranty of merchantability or fitness for a particular purpose in connection with this product. HI-TECH Corporation shall not be liable for damages of any sort, including remote or consequential damages, resulting from any claimed breach of any warranty, whether expressed or implied, including any warranty of merchantability or fitness for a particular purpose or from any other cause
whatsoever.