

PLURAL COMPONENT  
EPOXY CARTRIDGE SYSTEM

Fluid Floors EM 5-2 GEL Core Fill Cartridge System is a two-component high strength non-sag epoxy resin adhesive packaged in a side by side 600 ml cartridge. Also available in 10 gal. units designed for plural component material mix machines. Mixed viscosity of Core Fill is 50% higher than our standard EM 5-2 GEL.

The Fluid Floors EM 5-2 GEL Core Fill Cartridge System provides a unique method of handling, storing, and dispensing two component materials. Ideal for low to medium volume material users that wish to eliminate problems associated with the use of 2 component epoxy adhesive.

### USES:

This high-strength, adhesive is excellent for vertical and overhead bonding as well as bonding hardened concrete and other materials to hardened concrete. The EM-52 GEL Core Fill as an adhesive system for anchoring deformed tie bars and smooth dowel bars. Used in conjunction with EM5-2 GEL, it is ideal for crack injection. Additionally this adhesive is moisture insensitive; use on dry, damp, or wet surfaces.

### BENEFITS:

- No large capital expense
- Eliminates material waste
- Saves time
- Unlimited dispense points
- Eliminates aerated mix
- No clean up solvent needed
- Reduces health hazards
- Little operator skill needed
- Low maintenance
- Increased productivity

### TYPICAL PROPERTIES:

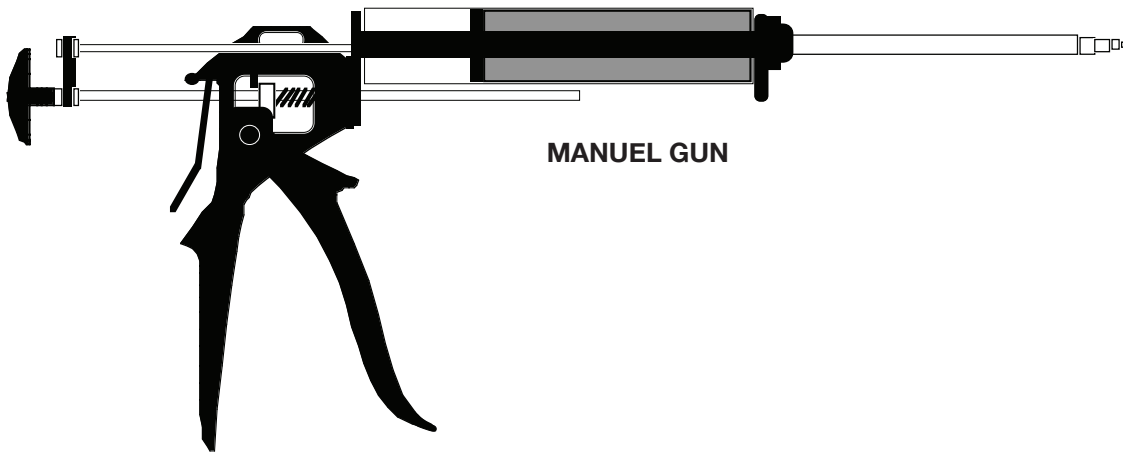
- Gel Time: 24 min.
- Consistency: Gel
- Bond Strength (24hr.): 657 psi
- Water Absorption: 0.1 %
- Compressive Strength (24 hr.): 5035 psi
- Compressive Strength (7 day): 11,400 psi
- Diagonal Shear Strength: 4950 psi
- Pull out (#4 bar) embed. depth 12 in: 16000 psi.

ASTM- C 881, Type I, Grade 2, Class B & C  
FL DOT Type A,8,F1  
La. DOT Type I, II, III Grade b : QPL 32

### FLUID FLOORS, INC.

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#### GENERAL RECOMMENDATION:

To anchor bolts, dowels and pins, use EM 5-2 GEL Core Fill neat. For efficient transfer of stress, the hole should be no greater in diameter than 1/4 inch larger than the bar to be embedded. Depth of embedment is typically 10 to 15 bar diameters.

#### SURFACE PREPARATION:

Concrete substrates must be sound, clean, and free from dust, curing or parting compounds, oil, waxes, impregnations and foreign particles. Substrate temperature must not be below 40°F.

#### DISPENSE INSTRUCTIONS (HP™ Pneumatic Gun)

1. Remove protective nose caps from cartridge.
2. Load cartridge into air gun.
3. Attach air hose (0 psi).
4. Regulate to 20 psi.
5. Open valve to equalize pistons. Allow both products (A&B) to flow from cartridge nose.
6. Close valve and attach static mixer.
7. Regulate to 80 psi.
8. Open valve to dispense material.
9. Close valve, leave mixer on and put back on the shelf. Allow mixer to act as a seal.

Either air powered or manual, trigger-operated guns are available and specifically designed for use with the Fluid Floors EM 5-2 GEL Core Fill Cartridge System. *Air powered is preferred when dispensing high viscosity gels.*

#### PACKAGING:

14 cartridges/carton  
One 1/2" diameter 24 element mixer with retaining collar/cartridge protective nose cap installed on each cartridge.

**CAUTION:** Contains epoxy resins and organic amines. Toxic before cured. Avoid vapor inhalation and contact with skin/eyes. Consult Material Safety Data Sheets for complete information on safety and handling.

**WARNING!** Improper cartridge pressure may force material out of rear of cartridge!

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