



**DESCRIPTION:** Fluid Floors **Anchor Adhesive 52** Cartridge System is a two-component, high strength non-sag epoxy resin adhesive packaged in side by side 600 and 1500 ml cartridges. Also available in 10 gal. units designed for plural component material mix machines.

The Fluid Floors **Anchor Adhesive 52** 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, non-sag adhesive is excellent for vertical and overhead bonding as well as bonding hardened concrete and other materials to hardened concrete. The Fluid Floors Anchor Adhesive 52 Cartridge system can also be used as an adhesive system for anchoring deformed tie bars and smooth dowel bars. Used in conjunction with EM 5-2 Liquid, 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:                          | 30 min.          |
| • Consistency:                       | non-sag gray gel |
| • Epoxide equivalent of resin:       | 182.94           |
| • Water Absorption:                  | 0.2%             |
| • Compressive Strength, 24 hr.       | 46.2Mpa          |
| • Diagonal Shear Strength            | 43.9Mpa          |
| • Pull out (#4 bar) embed. depth 12" | 110.3Mpa         |
| • 600 ml                             | 36.6 cu. in.     |

ASTM- C 881, Type I, IV Grade 3, Class B & C  
FL DOT Type A, 8, F1  
La. DOT Type I, II, III Grade C : QPL 32  
DOT QPL 52 : Adhesive Anchor System  
AASHTO M 235 - 73 Class III

### FLUID FLOORS, INC.

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**GENERAL RECOMMENDATION:** To anchor bolts, dowels and pins, use Anchor Adhesive 52 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- 125 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 Anchor Adhesive 52 Cartridge System**. Note: Air powered is preferred when dispensing high viscosity gels.

**PACKAGING:**

600 ml  
12 cartridges/carton  
One 3/8" diameter 24 element mixer with retaining collar/cartridge protective nose cap installed on each cartridge.

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

**WARNING!**

Excessive cartridge pressure may force material out of rear of cartridge!

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