

### HIGH STRENGTH EPOXY PASTE



FX-1100PS a two-component, solid, moisture-insensitive, high strength, high modulus, multi-purpose epoxy gel adhesive.

- PRODUCE NAME : High Strength Epoxy Paste
- PRODUCT CODE : FX-1100PS
- SIZE : 600ML
- RATIO : 1:1
- COLOR : PART A- White  
PART B- Black  
MIXED- Gray

### PRODUCT USAGE

For setting/bonding subsurface or outermost reinforcements to concrete masonry or other substrates. It can also be used for strengthen steel dowels, threaded rods, bolts and inserts into existing concrete. Multipurpose bond adhesive.

### ADVANTAGES

- Moisture tolerant
- High strength, high modulus structural adhesive
- Rapid cure formula
- No-sag gel consistency
- Solvent free
- Non-toxic and not harmful for human consumption water after material cured.

## TECHNICAL DATA

### PROPERTY APPRAISAL

Storage Conditions	5°C – 35°C (40°F – 95°F)
Condition material to	18°C – 29°C (65°F – 85°F) before using.
Mix Ratio	1:1 by volume
Viscosity	¼ inch no-sag gel
Gel Time (60 g mass)	10 minutes
Tack Free Time (23°C)	2 to 3 hours



Test Item	Test Method	Test Result
Tensile Strength (ksi)	ASTM D638-14 (Type I, V= 5 mm/min)	3.03
Flexural Strength (ksi)	ASTM D790-17 Procedure AI	6.00
Compressive Strength (ksi)	ASTM D695-15	12.86

\*\*\* For information only - not for specification purposes. \*\*\*

\*\*\* Note: Epoxy cure is affected by temperatures will increase cure time, higher temperatures with decrease cure time. \*\*\*

### SHELF LIFE /STORAGE

→ 24 month shelf life when stored in unopened containers in dry conditions and stored at 4°C-35°C (40°F-95°F)

### CONDITION PRODUCT

→ Condition cartridge and contents to a temperature of 18°C-35°C (65°F-95°F) for easier dispensing.

## LIMITATIONS AND WARNINGS

- Minimum substrate temperature is 5°C (40°F).
- Do not thin. Solvents will prevent proper cure.

## APPLICATION INSTRUCTIONS

- **MIXING :** Part A : Part B = 1 : 1 by volume

## APPLICATION METHOD

### STEP1. PREPARATION

1. Examine the crack that is being repaired.
2. Mark any areas that the crack is not continuous
3. Lay plastic down on floor
4. Clean the crack and immediate surrounding areas with a wire brush.

### STEP2. PORT LOCATIONS

#### Continuous Cracks

- Stain port locations approximately every about 200-500 mm starting from the bottom of the crack.

#### Discontinuous Cracks

- Stain port locations just above any discontinuous point in the track.
- Space the remaining ports may be required for cracks with multiple discontinuous locations.

**\*\* Note:** Additional ports may be required for cracks with multiple discontinuous locations.

### STEP3. PORT INSTALLATION

1. Disconnect port cap from the side of the port and set aside.
2. Distribute a small amount of High Strength Epoxy Paste FX-1100PS onto a disposable work surface such as cardboard or painters' tray.
3. Spin the entire flat edge of the port in the High Strength Epoxy Paste FX-1100PS.
4. Make sure the hole for the port is plug away with epoxy.
5. Pressing firmly place the port directly over the crack at previously stained location.

### STEP4. COVERING THE CRACK

1. Distribute approximately 1/3 of the tube of the High Strength Epoxy Paste FX-1100PS onto the disposable work surface (like cardboard). Add more as needed.
2. Put on the High Strength Epoxy Paste FX-1100PS over the entire crack.
3. Feather the epoxy approximately 2" or more out on both sides of the crack
4. At port locations apply the epoxy around the entire port until the port base is no longer visible.

### STEP5. INJECTION

1. On the caulking gun, swap the black plastic pull located on the back of the caulking gun with one of the plastic pushers.
2. Put the Structural Injection Epoxy FX-2100PS (for small crack) or Polyurethane Foam FX-PU1100 (for big crack) with the static mixer into the caulking gun.
3. Start at the bottom port push the static mixer into the port until you feel a click.
4. Distribute resin with injection hose until you see the resin coming out of the port located directly above.
5. Detach the caulking gun and push the cap into the port.
6. Move to the next port and repeat the process until you have worked all the way up the wall.
7. Repeat the entire process for the additional two corner repairs.

### STEP6. CLEAN UP

Once the epoxy and foam have cured detach the ports off the wall using a hammer.

## HEALTH AND SAFETY INFORMATION

- For information and advice on the safe handling, storage and disposal of chemical products, users shall refer to the most recent Material Safety Data Sheet containing physical, ecological, toxicological and other safety-related data.

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