



#### PRODUCT INFORMATION

### flow patch fs

Calcium Aluminate Cement based leveling and patching compound.

**FLOW PATCH FS** is a polymer modified, fast setting Calcium Aluminate Cement based floor leveling system for most floor types prior to the installation of resilient flooring, carpet, wood flooring, ceramic or stone tiles. For most applications, the product requires only the addition of water to develop a strong and smooth surface from featheredge to ½ inch thickness.

**TEXTURE:**  
Powder.

**COLORS:**  
Gray.

**PACKAGING:**  
25lb (11.3 kg) bag.

#### BASIC USE:

**FLOW PATCH FS** is a rapid patching and leveling compound for use on uneven, rough, or unfinished concrete surfaces. In addition, it can be used in rehabilitation projects where old terrazzo, ceramic tile, and wooden floors must be made ready for new floor coverings such as vinyl, wood, carpet, ceramic tile, and natural stone. It may be used over cement backer units and over exterior grade plywood for interior dry installations only. **FLOW PATCH FS** may also be used for interior applications over properly prepared old cutback adhesive residue.

#### AREA OF USE:

The product can also be used in rehabilitation projects where old terrazzo, ceramic tile and wooden floors must be made ready for new floor coverings such as vinyl, wood, carpet, ceramic tile and natural stone. The product may be used over cement backer units and over exterior grade plywood for interior dry installations. Moreover, **FLOW PATCH FS** may also be used for interior applications over properly prepared old cutback adhesive residue.

#### BENEFITS:

- > **UNIQUE** formula that easily flows on floors
- > Install any floor on it!
- > Featheredge to ½ inch in one application
- > Install your floor in 24 hours
- > Does not require primer
- > Minimum sanding is needed. Generate low dust when sanded.
- > Can be used as embossing leveler
- > Compatible with sealed gypsum substrate
- > 0 VOC

#### LIMITATIONS:

- > Do not apply over standing water.
- > Do not overwater.
- > Do not use over expansion joint.
- > Do not use over metal, OSB or pressed wood
- > Do not use over light weight concrete
- > Do not use over unsealed gypsum
- > Do not use if moisture vapor rate exceeds flooring recommendation.

#### APPLICABLE STANDARDS:

There are no industry standards established for this product.

#### TECHNICAL DATA

Working time	10 min @ 70F
Final Set (ASTM C109)	30 min @ 70F
Compressive Strength (ASTM C109)	
1 day	1800 psi
28 day	3500 psi
Flexural Strength (ASTM C348)	
7 day	1000 psi

#### INSTALLATION:

##### PREPARATORY WORK

All surfaces must be structurally sound, dry, clean and free from dirt, grease, oil, plaster, efflorescence, curing compounds, old adhesives, waterproofing and crack isolation membranes, asphaltic or chemically treated surfaces or foreign matters that can prevent good bond. Floor must be level, free from movement and dimensionally stable. Remove all dust by vacuum and remove protrusion by sanding or scraping. For surfaces that require priming, use TEXRITE Bonding primer. For floors with cut back residue, see "Old Cut Back Adhesive Residue" below.

##### CEMENTITIOUS SUBSTRATES

Concrete slabs must be fully cured, free of hydro- static pressure and efflorescence. Chip, shot-blast or hammer out any unsound concrete.



Remove any resulting dust. Surfaces may be acid cleaned using a 10% muriatic solution. It is important that the acid sludge must be thoroughly neutralized and flushed from the floor if this method is used.

#### WOOD SUBSTRATES

Floor framing system and subfloor panels in wood construction shall conform to the IRC for residential applications, the IBC for commercial applications or local building codes, with **FLOW PATCH FS**. On all tongue and groove flooring only spot patching should be done; if a cementitious overlay greater than 4 ft in diameter (1.5 m) is to be covered use and follow the directions for Texrite's Flowrite 250. The exterior grade plywood must not deflect over 1/360" of the span. Allow a gap of 3/16" to 1/4" between sheets for expansion. Tape the joints prior to installation of metal lath. All plywood flooring must be secured with screw type nails and glued where possible. Nail or staple thin,

#### OLD CUTBACK ADHESIVE RESIDUE

Old cutback adhesive residue must be hard and well bonded to the substrate. Scrape off all ridges and remove any cutback adhesive that is loose. Remove any loose concrete or old cement based patching or leveling compounds. Wet mop the bond surface to remove any dust and dirt as necessary, then let the surface dry. Mix **FLOW PATCH FS** with water and skim coat the entire area at 1/16" (2 mm) thick. For continuous installation layer 1/16" - 1/4" (2-6 mm) and in commercial or demanding applications, mix **FLOW PATCH FS** with undiluted Texrite's Latex Bond Admix 150. Dry time at skim coat is 1 hour minimum depending on jobsite conditions and thickness of application. NOTE: floors prepared over old cut back adhesive residue in the above manner can be used for carpet, vinyl, rubber and strip wood flooring. Always test a small area to be installed.

#### EMBOSED FLOOR LEVELING

For embossed leveling, mixed to lump free and creamy consistency with Texrite's Latex Bond Admix 150 liquid. Mix and apply just enough material to fill the pattern.

#### EXPANSION JOINTS

Never bridge expansion joints, saw cut or cold joints with this product. These joints have movement and can cause the product to buckle or crack. They should continue through the patch and the subsequent flooring material. Leave expansion joints through the **FLOW PATCH FS** where it abuts restraining surfaces such as perimeter walls, dissimilar floors, curbs, columns and pipes. An architect or structural engineer must specify expansion joints and show details on drawings. Follow procedures EJ171 in the TCNA Handbook for ceramic tile installations.

#### MIXING

Mix 25 lb (11.3 kg) bag with 5.0 to 6.5 quarts of clean potable water. Mix only enough material that can be applied in 10 min. Always add powder to the total amount of liquid and mix with a low speed drill (300 RPM or less) until a lump free mix is obtained. NOTE: do not add any other materials to this product other than those prescribed.

#### APPLICATION

Apply when ambient temperature and substrate temperature are between 40 degree F (4 degree C) to 100 degree F (38 degree C). Do not allow the wet mix to freeze for the first 72 hours. Key in the initial skim coat with the flat side of trowel, then build the material to the desired thickness, not to exceed 1/2" (13 mm). Start finishing immediately using a flat steel trowel. Unlike regular cement mortars, this product should not be over-troweled. For applications to areas greater than 4 square feet where uniform thickness is greater than 1/2 inch, use self leveling underlayment such as TEXRITE Flowrite FS 250.

#### CLEAN-UP

Clean hand, tools and equipment with water when material is still fresh.

#### COVERAGE

A 25 lb (11.3 kg) bag applied at 1/8" (3 mm) thickness will cover approximately 39 sq ft.

#### CURING

A typical curing time 16-24 hours is recommended, depending on weather conditions and thickness of application. If the floor covering is wood parquet or rubber based flooring which uses bonding adhesives affected by moisture such as epoxy and urethane, install after 24 hours. FLOW PATCH FS and resulting surface must be allowed to dry to an acceptable level as called for by the flooring manufacturer. Always check for permissible moisture levels of vinyl, carpet, rubber, wood flooring, etc. per flooring manufacturer's requirements before covering over this product.

#### STORAGE

Store product in a dry and cool area.

#### SHELF LIFE

One year if kept dry in sealed bags.

**SAFETY - CAUTION:** May cause eye, skin or lung injury. Contains free silica. Prolonged exposure to dust may cause delayed lung disease (silicosis). Eliminate exposure to dust. Use NIOSH approved mask for silica dust. Contains portland cement. If any cement or cement mixtures get into eye, flush immediately and repeatedly with water and consult a physician promptly. Freshly mixed cement, mortar, concrete or grout may cause skin injury. Avoid contact with skin where possible and wash exposed skin areas promptly with water.

#### KEEP OUT OF REACH OF CHILDREN

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