



PRODUCT INFORMATION

patch 125 fs

High performance fast-drying, polymer-modified cement based patching compound

PATCH 125 FS is a polymer modified, fast curing, mildew resistant, portland cement based floor leveling system for leveling most floor types prior to the installation of resilient flooring, carpet, wood flooring, ceramic or stone tile. For most applications **PATCH 125 FS** requires only the addition of water to develop a dense water resistant surface. This product contains special chemicals which, when properly mixed (with water only), will feather edge to a non-checking, durable surface.

TEXTURE:

Non-sanded powder consisting of portland cement, mineral filler, organic and inorganic minerals.

COLORS:

Gray.

PACKAGING:

25lb (11.3 kg) bag.

BASIC USE:

> **PATCH 125 FS** is a rapid patching and leveling compound for use on uneven, rough or unfinished concrete surfaces.

AREA OF USE:

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. **PATCH 125 FS** may also be used for interior applications over properly prepared old cutback adhesive residue. **PATCH 125 FS** may be used on interior or exterior applications where permanent water-resistant surface is required for receiving decorative floor covering.

BENEFITS:

- > This product hardens by hydration (curing) of portland cement to become an underlayment which will have similar properties to concrete.
- > Like all portland cement products strength increases significantly during the initial 28 days of cure.
- > **PATCH 125 FS** may be applied as thin as feather edge to as thick as 1/2" (13 mm) in a single application without the fear of shrinking, cracking and spalling.
- > **PATCH 125 FS** contains zero VOC's.

LIMITATIONS:

- > **PATCH 125 FS** must not be used over gypsum-based surfaces, paints, particleboard, lauan plywood, plastics, old adhesive residue, vinyl products, epoxy or urethane coverings.
- > Apply in temperature range above 40 °F (4 °C). Do not allow mortar to freeze for the first 72 hours.
- > Apply to damp concrete (dampen concrete prior to application using clean water. NOTE: do not use over standing water, wet puddles or surfaces that are wet to touch). This product may be used as a wearing surface in areas which do not require high chemical resistance and will not exceed Test Cycles 1-10 of ASTM C-627. Ratings are for residential, light institutional and commercial.

TECHNICAL DATA

*Working time	10 min @ 70 F
*Initial set	15 min @ 70 F
*Final set	30 min @ 70 F
Compressive strength (ASTM C-109)	
2 hours	1,200 psi
24 hours	3,000 psi
7 days	4,000 psi
28 days	4,600 psi
Flexural strength (ASTM C-348)	
28 days	800 psi
Bond strength (ASTM D3931)	
28 days	400 psi
Suitable as a wearing surfaces	Yes
Recommended for wood	Yes
Recommended for intermittent moisture exposure	Yes

INSTALLATION:

PREPARATORY WORK

All surfaces to receive PATCH 125 FS underlayment must be dry, clean and free from dirt, grease, oil, plaster, dealers, efflorescence, curing compounds, old adhesives, waterproofing and crack isolation membranes, asphaltic or chemically treated surfaces or any other type of anti-adherent or foreign matter. For floors with cut back residue, see "Old Cut Back Adhesive Residue" below.



CEMENTITIOUS SUBSTRATES

Concrete slabs shall be completely exposed, fully cured, free of hydrostatic pressure and efflorescence. Chip, shotblast 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 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 **PATCH 125 FS**. On all tongue and groove flooring only spot patching should be done; if a cementitious overlay greater than 5 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, galvanized metal lath to the floor. Install no less than 1/4" or greater than 1 1/2" thickness over the surface.

SPECIAL SURFACES

Over steel surfaces, contact technical support for special instructions.

OLD CUTBACK ADHESIVE RESIDUE

Old cutback adhesive residue shall 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 **PATCH 125 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 **PATCH 125 FS** with undiluted Texrite's Latex Bond Admix 150 at 4 quarts (3.78 lt) per 25 lb (11.3 kgs) of powder. Dry time is 1 hour minimum depending on jobsite conditions. 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. For installation of rubber tile and other non-porous backed flooring, use an epoxy or pressure sensitive adhesive. Ceramic tile and stone products (excluding green or black marble) may be bonded directly over the old cut back adhesive residue using Texrite's Flexrite or Texrite's Ceramaflex. Allow 3 days for curing before inspecting for adequate bonding.

EMBOSSSED FLOOR LEVELING

PATCH 125 FS is not designed as an embossed floor leveling material. For embossed floor leveling, use Texrite's Featherite 125 fs mixed with Texrite's Latex Bond Admix 150 liquid.

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 **PATCH 125 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 EJI71 in the TCNA Handbook for ceramic tile installations.

MIXING

For mixing **PATCH 125 FS**, mix 25 lb (11.3 kg) bag with 4 quarts (3.78 liters) of clean potable water or Texrite's Latex Bond Admix 150. Mix only enough material as 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

Except for applications over exterior grade plywood, dampen the substrate with clean water prior to the application of the mixed **PATCH 125 FS**. 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. Dip trowel in water often to make finishing easier and clean tools frequently.

CLEANING

Water is all that is needed to remove uncured product.

COVERAGE

A 25 lb (11.3 kg) bag applied at 1/8" (3 mm) thickness will cover approximately 25 sq ft (2.3 m²).

CURING

A minimum cure for installation of flooring is obtained 15 - 20 minutes, depending on ambient conditions. 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 16 hours. The **PATCH 125 FS** and repaired 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 LIFE:

One year if kept dry in sealed bag.

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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