



PRODUCT INFORMATION

featherite 125 fs

Fast setting, non-sanded cement based skim coat

FEATHERITE 125 FS is a dry latex modified, fast curing, mildew resistant non-sanded cement based floor smoothing system for leveling most interior floor types prior to the installation of resilient flooring, stripwood flooring, carpet, ceramic tile, slate, granite, terrazzo or marble. For most applications **FEATHERITE 125 FS** requires only the addition of water to develop a dense water resistant surface.

TEXTURE:
Non-sanded powder

COLORS:
Gray.

PACKAGING:
20 lb (9.07 kg) bag.

BASIC USE

> **FEATHERITE 125 FS** contains special organic and inorganic chemicals which when properly mixed (with water only) will feather edge to a non-checking, durable surface or to patch plywood joints, knot holes, chipped concrete, etc.

AREA OF USE

FEATHERITE 125 FS is used for rapid patching and leveling of uneven, rough or unfinished concrete surfaces and filling imperfections in wooden substrates. 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. It may be used over cement backer units and over exterior grade plywood for interior installations of ceramic tile and stone. **FEATHERITE 125 FS** may also be used for interior applications over properly prepared old cutback adhesive residue as well as non-water soluble adhesive residue.

BENEFITS

- > **FEATHERITE 125 FS** may be used as an embossing leveler in residential applications with only the addition of water.
- > This product hardens by hydration (curing) of cement to become an underlayment, which will have similar properties to concrete.
- > **FEATHERITE 125 FS** may be used on interior applications where a permanent water-resistant surface is required. It may be applied as thick as 1/2" (13 mm) to feather edge in a single application without fear of shrinking, cracking or spalling.

LIMITATIONS

- > **FEATHERITE 125 FS** must be covered with a floor covering. It is not a wearing surface.
- > **FEATHERITE 125 FS** must not be used over gypsum based surfaces, paints, plastics, water soluble adhesive residue, cushioned vinyl products, urethane coated vinyl, epoxy or urethane coverings.
- > Use in temperature range of 4 °C to 90 °F (32 °C). Do not allow mortar to freeze for the first 72 hours. Dampen hot, dry concrete surfaces prior to application using clean water while being careful not to let water puddles remain.

TECHNICAL DATA

Working time @ 72 °F	12 minutes
Initial set @ 72 °F	15-20 minutes
Final set @ 72 °F	60-90 minutes

INSTALLATION: PREPARATORY WORK

All surfaces to receive **FEATHERITE 125 FS** must be structurally sound. Remove all dust, waxes, sealers, old water soluble adhesive residues, curing compounds, oils, gypsum based materials, surface hardeners, paints, loose old flooring and other foreign material before application. Deflection shall not exceed 1/360th of the span including live and dead load.

CEMENTITIOUS SUBSTRATES

Concrete slabs shall be completely exposed, fully cured, free of moisture and hydrostatic pressure (moisture test should be done prior to application) and efflorescence. Chip, sandblast or hammer out any spalled unsound concrete. Remove any resulting dust. Surfaces may be acid cleaned using a 10% muriatic solution. It is important that the acid sludge be neutralized with baking soda and flushed from the floor if this method is used.

WOOD SUBSTRATES

All wooden flooring should be structurally sound with no spring or flexing. On all tongue and groove flooring only spot patching should be done; if a cementitious overlay greater than 5 feet (1.5 m) in diameter is to be covered, use FLOWRITE self leveling underlayment (see Flowrite data sheet for details of application).



OLD CUTBACK ADHESIVE RESIDUE

Old cut back adhesive residue shall be hard and well bonded to the substrate. Scrape off all ridges and remove any cut back 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 and then let dry. Mix **FEATHERITE 125 FS** with water and skim coat the entire area at 1/16" (2mm) thick. For continuous installation layer from 1/16" to 1/4" (2mm to 6mm) and in commercial or demanding applications, mix **FEATHERITE 125 FS** with undiluted Texrite's Latex Bond Admix 150 liquid at 1 gallon (3.8 liters) per 20 pounds (9.1 kg) of powder. Dry time is one hour minimum depending on job site conditions. NOTE: Floors prepared over old cutback 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 floorings, use an epoxy or pressure sensitive adhesive. Ceramic tile and stone products (excluding green or black marble) may be bonded directly over the old cutback adhesive residue using Texrite's Flexrite or Ceramaflex. Allow curing for three days before inspecting for adequate bonding.

EMBOSSED FLOOR LEVELING

FEATHERITE 125 FS may be used as a leveler for embossed flooring in residential applications when mixed with water only. For commercial and demanding applications, mix with undiluted Texrite's Latex Bond Admix 150 liquid and latex additive at a rate of 1/2 gallon (1.9 liters) per 10 pounds (4.5 kg) of **FEATHERITE 125 FS** powder. Drying time is one hour minimum depending on job site conditions. Always check for moisture prior to installation of flooring materials.

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 **FEATHERITE 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 detail drawings. Follow procedures in EJ171 in the TCNA Handbook for ceramic tile installations.

MIXING

Mix one 20 pound (9.1 kg) bag of **FEATHERITE 125 FS** with 5 quarts (4.7 liters) of clean potable water or Latex Bond Admix 150 liquid. Mix only enough materials that can be applied in 10 minutes. Always add powder to the total amount of the liquid and mix with a 1/2" heavy duty drill (maximum 300 RPM) or hand mix 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 **FEATHERITE 125 FS** to improve adhesion. Key in the initial skim coat with the flat side of a trowel and then build the material to the desired thickness, not to exceed 1/2" (13 mm) in a continuous application. Deeper placement is allowed in small confined areas such as threshold, low spot areas and height transitions. 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. **FEATHERITE 125 FS** may be sanded upon reaching a hard set.

COVERAGE

A 20 lb (9.1 kg) bag applied at 1/8" (3mm) of thickness will cover approximately 67 sq ft (6.2 m²).

CLEANING

Water is all that is needed to remove uncured product.

CURING

A minimum cure for installation of flooring is obtained in 15 to 20 minutes, depending on ambient conditions. If the floor coverings is wood parquet or rubber based flooring which use bonding adhesives affected by moisture such as epoxy and urethane, install after 16 hours. The **FEATHERITE 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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