

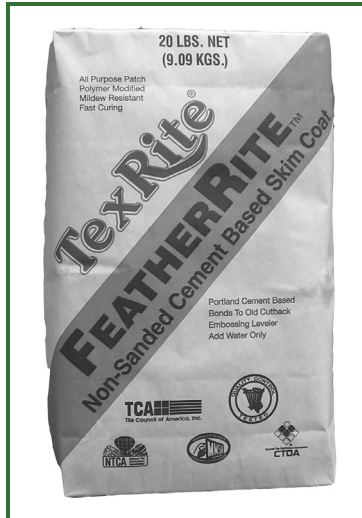


FeatherRite

Non-Sanded
Cement Based Skim Coat

Product Information

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FeatherRite 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, strip-wood flooring, carpet, ceramic tile, slate, granite, terrazzo or marble. For most applications **FeatherRite** requires only the addition of water to develop a dense water resistant surface. This product 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.

BASIC USE

FeatherRite 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. **FeatherRite** may also be used for interior applications over properly prepared old cutback adhesive residue as well as non-water soluble adhesive residue. **FeatherRite** 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.

AREA OF USE

FeatherRite may be used on interior applications where a permanent water-resistant surface is required. It may be applied as thick as 1/2" to featheredge in a single application without fear of shrinking, cracking or spalling. FeatherRite must be covered with a floor covering. It is not a wearing surface.

LIMITATIONS

FeatherRite 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 40° F to 90° F (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 let water puddles remain.

PACKAGING

Color: Gray
Texture: A non-sanded powder consisting of cement, organic and inorganic chemicals
Packaging: 20 lb. Bag and 10 lb. Box

INSTALLATION

Preparatory Work

All surfaces to receive FeatherRite 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.

Cementitious Substrates

Concrete slabs shall be completely exposed, fully cured, and free of hydrostatic pressure and efflorescence. Chip, sandblast 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 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 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 to remove any dust and dirt as necessary and let dry. Mix **FeatherRite** with water and skim coat the entire area at 1/16 inch thick. For continuous installation layer from 1/16 to 1/4 inch and in commercial or demanding applications, mix **FeatherRite** with undiluted **La-O-Tex** liquid at one-gallon per 20 pounds of powder. Dry time is one-hour minimum depending on job site 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, **UniFlex** or **CeramaFlex**. Allow curing for three days before inspecting for adequate bonding.

Embossed Floor Leveling

FeatherRite 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 **La-O-Tex**, latex additive, at a rate of 1/2 gallon per 10 pounds of FeatherRite powder. Drying time is one-hour minimum depending on job site conditions. Always check for moisture prior to installation of flooring materials.

Mixing

Mix one 20-pound bag of **FeatherRite** with 5 quarts of clean potable water or La-O-Tex Admixture or mix one 10-pound box with 2.5 quarts of clean potable water or La-O-Tex Admixture. Mix only enough materials can be applied in 10 minutes. Always add powder to the total amount of the liquid and mix with a 1/2-inch 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.

NO MOLD
GROWTH
FORMULA

Use Over
PLYWOOD

Use Over
CONCRETE

WEATHER
RESISTANT

FAST
SETTING

0" - 1/2"
THICKNESS

FeatherRite

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Expansion Joints

Never bridge expansion, saw cut, or cold joints with this product. These joints are 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 **FeatherRite** 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 TCA Handbook for ceramic tile installations.

Applicaton

Except for applications over exterior grade plywood, dampen the substrate with clean water prior to the application of the mixed FeatherRite 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 inch in a continuous application. Deeper placement is allowed in small confined areas such as thresholds, birdbaths and height transitions. Start finishing immediately using a flat steel trowel. Unlike regular cement mixes, this product should not be over troweled. Dip trowel in water often to make finishing easier and clean tools frequently. FeatherRite may be sanded upon reaching a hard set.

Coverage

A 20-pound bag applied at 1/8-inch thickness will cover approximately 67 square feet.

Cleaning

Water is all that is needed to remove uncured mortar.

Curing

A minimum cure for installation of flooring is obtained in 15 to 20 minutes, depending on ambient conditions. If the floor covering is wood parquet or rubber based flooring which use bonding adhesives affected by moisture such as epoxy and urethane, install after 16 hours. The FeatherRite and repaired surface must be allowed to dry to an acceptable level as called for by the flooring manufacturer.

SPECIFICATIONS

Technical Data: **FeatherRite**

Test	Typical Results
Working Time @ 72°F	12 minutes
Initial Set Time @ 72°F	15- 20 minutes
Final Set @ 72°F	60-90 minutes

Storage Life - One year if kept dry in sealed container and 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. Recommend use of a NIOSH approved mask for silica dust. Contains Portland cement. If any cement or cement mixtures get into the 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.

OUT OF REACH OF CHILDREN.