



FEATHER EDGE

Description

ProSpec® Feather Edge is a trowelable, rapid setting underlayment that results in a very smooth, ultra thin finish applied over a wide array of subfloors.

Features

- No large aggregate, resulting in ultra thin smooth finish
- Exceptional bond-polymer modified
- Cement based
- Accepts tile and stone installations and moisture-sensitive floor coverings in 15-30 minutes
- Rapid Cure Technology (RCT)TM
- Contains Micro Defense® for mold and mildew resistance
- Does not require priming
- Feather edge up to 1/2" (13 mm) thickness without cracking
- Contains no protein additives
- Can be sanded to a smooth finish

Uses

- Flash patching and skim coating
- Quick installation of floor covering
- Smoothing cracks, gouges, dings and ridges
- Repairs nearly all types of interior subflooring such as concrete, wood terrazzo and ceramic tile
- Can be used as embossing filler*

* Must be combined with ProSpec Acrylic Additive (see Installation section).

Technical Data

Set Time ASTM C 191 @ 70° F (21° C)

Initial set	Approx. 25 min.
Final set	Approx. 30 min.

Compressive Strength ASTM C 109 (Air Cured)

24 hours	2,100 psi (14.5 MPa)
7 days	2,800 psi (19.3 MPa)
28 days	4,700 psi (32.4 MPa)

Test results obtained under controlled laboratory conditions. Reasonable variations can occur due to atmospheric and job site conditions.

Preparation

Surfaces must be solid, completely clean, free of oil, gypsum compounds, wax, grease, sealers, curing compounds, asphalt, paint, dirt, loose surface material and any contaminants that act as a bond breaker. Weak concrete surfaces must be cleaned down to solid sound concrete by mechanical means. Acid etching or chemical cleaning is not acceptable. Remove all dirt by vacuuming. All subfloors must be clean, dry and at least 40° F (4° C) prior to applying ProSpec Feather Edge.

Feather Edge can be installed over thin sound, bonded non-water soluble adhesives that are firmly secured to the substrate. The adhesive (cutback) needs to be a thin film that is prepared using the wet scraping method as outlined by the Resilient Floor Covering Institute booklet (tel: 301.340.8580) "Recommended Work Practices for the Removal of Resilient Floor Coverings".

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Mixing

Mix only the amount of ProSpec® Feather Edge that can be placed within 10-20 minutes at 70° F (21° C). Higher temperatures will shorten working time and cooler temperatures will prolong it. Place 2-2 1/2 qts. (1.9-2.4 L) of potable clean water into a mixing container and then add 10 lbs. (4.5 kg) of Feather Edge, mixing to a lump free, creamy

consistency. For smaller batches, use 2 parts powder to 1 part water. A mechanical mixer such as a paddle and 1/2" heavy-duty drill will result in a better consistency and save time. Do not re-temper or over mix entraining excess air. Smaller quantities should be mixed by hand.

Application

Use a straight edge steel trowel when applying ProSpec Feather Edge to a properly prepared surface forcing the material into all voids. There is no minimum thickness required. Feather Edge can be applied from feather edge to 1/2" (13 mm) in one application without cracking.

Embossing Leveler:

All material to be embossed must be clean, free of bond breakers, firmly bonded to the substrate and demonstrate no signs of moisture. It is not recommended over cushion backed flooring. Add two parts by volume or weight Feather Edge into one part Acrylic Additive. Mix to a lump free, creamy consistency and apply material to fill the pattern. Allow to dry for 70-90 minutes before covering with new flooring. The mixed embossing leveler product produces a very dense surface. This needs to be considered in making an adhesive selection.

Flooring Installation:

ProSpec Feather Edge will accept standard floor coverings such as VCT, vinyl sheet goods, tile and carpeting in approximately 15-30 minutes after placement. When using moisture sensitive adhesives such as urethanes and epoxies, employed with wood floors etc. Feather Edge may necessitate 16 hours of curing. ProSpec Feather Edge is a cement-based product therefore all adhesives compatible with concrete should be acceptable. Consult adhesive manufacture.

Clean Up

Clean tools with water while mortar is still moist.

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Best Performance

- Interior use only. Avoid standing water,
- Apply when air or substrate temperature is between 40° F (4° C) and 100° F (38° C).
- Do not apply over gypsum, foam or metal surfaces.
- Not a wearing surface.
- ProSpec Feather Edge is self curing however protect from excess heat and drafts.
- Do not cover or fill control or expansion joints.
- Always install a test area, insuring suitability of Feather Edge for intended use.
- Retemper without adding additional water.

Coverage

10 lbs. (4.5 kg) covers approximately 33 ft² (3 m²) at a thickness of 1/8" (3 mm) and 17 ft² (2 m²) at a 1/4" (6 mm).

Skim Coat: (10 lbs. (4.5 kg))

Over concrete: 225 ft² (21 m²)

Over plywood / lauan: 275 ft² (26 m²)

All coverage rates are estimates and are dependent upon substrate characteristics.

Packaging

10 lbs. (4.5 kg) in moisture resistant bag / 4 per case

Storage

Always keep in cool dry place and unexposed to sunlight. Always tightly reseal container.

Shelf Life

One year when stored properly in original unopened container.

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Caution

KEEP OUT OF REACH OF CHILDREN AND ANIMALS. WARNING!

Contains Portland cement and silica sand. May irritate eyes and skin. Avoid contact with eyes or prolonged contact with skin. In case of contact, flush thoroughly

with water. The wearing of gloves and safety goggles is recommended.

In case of eye contact, flood eyes with potable water and call physician. DO NOT RUB EYES. Do not take internally. Crystalline

silica sand may cause serious lung problems. Avoid breathing dust and wear a respirator in dusty areas.

Consult Material Safety Data Sheet for further information

First Aid

Inhalation: Remove to fresh air.

Eye Contact: Irrigate eye with water or consult physician if irritation persists.

Skin Contact: Washed exposed skin area with soap and water; consult a physician if irritation persists.

Ingestion: Immediately consult a physician.

LIMITED 1 YEAR WARRANTY FROM DATE OF MANUFACTURE: Bonsal American warrants that this product and the materials used therein meet or exceed the applicable standards listed and enforced at the time of manufacture. Bonsal American will replace any product or part which proves defective due to quality of ingredients used or due to the manufacturing process itself. This Warranty shall apply only if the product is used in strict accordance with applicable specifications and instructions provided by Bonsal American for its use, and Bonsal American shall not be liable otherwise. Replacement of any defective product, or, at Bonsal American's option, refund of the purchase of any defective product shall be the buyer's sole remedy under this Warranty, and Bonsal American shall in no event be liable for any damages in excess of the purchase price of the defective product. BONSAL AMERICAN SHALL IN NO EVENT BE LIABLE FOR ANY CONSEQUENTIAL, INCIDENTAL OR SPECIAL DAMAGES INCLUDING LOSS OF PROFITS OF ANY KIND. Product demonstrations are done for illustrative purposes only and do not constitute a warranty or warranty alteration of any kind. This Warranty constitutes the sole warranty given by Bonsal American in connection with this product. No modification of this Warranty in favor of any buyer shall be valid unless given in writing and signed by an officer of Bonsal American. Bonsal American has authorized no person to make or give any other warranties or representation, oral or written on its behalf. IN PARTICULAR, THERE ARE NO IMPLIED WARRANTIES, INCLUDING WITHOUT EXCEPTION WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE.