

Premium Skimcoat Patch Underlayment

DS-046.0-0313



1. PRODUCT NAME

DRYTEK® Premium Skimcoat Patch Underlayment

2. MANUFACTURER

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3. PRODUCT DESCRIPTION

DRYTEK Premium Skimcoat Patch Underlayment is a premium quality, fast-drying, cement-based underlayment designed for skim-coating, smoothing and leveling prior to the application of floor coverings. Apply from feather-edge to 1" (25 mm). Install finished flooring as soon as 30 minutes* after application. This trowel-applied product has a superior creamy consistency making it the ideal choice for skim coat applications.

Advantages

- Provides Alkali Barrier
- Excellent Bond Strength
- Easy to Mix and Apply
- Apply floor goods in as little as 30 minutes*
- No Primer Required over concrete, exterior glue plywood, ceramic and quarry tile

* Depending on thickness, drying conditions and type of flooring material

Suitable Substrates (Interior Use Only)

- Mortar Bed
- Concrete Masonry
- Non-water Soluble Cutback Adhesive

- Cement Terazzo
- Concrete
- Exterior Glue Plywood
- Ceramic Tile and Stone
- Vinyl
- Non-cushioned Sheet Vinyl[^]
- Linoleum[^]

Packaging

10 lb (4.5 kg) paper bags/4 bags per carton/52 cartons per pallet

Color Grey

Approximate Coverage

Yield/coverage is only an estimate and may vary depending on the amount of water, mixing equipment, temperature and field conditions.

Approximately Coverage 100–150 ft² (9.3–13.9 m²) at feather-edge thickness per 10 lb (4.5 kg) bag

Shelf Life

Factory sealed containers of this product are guaranteed to be of first quality for six (6) months‡ if stored off the ground in a dry area.

‡ High humidity will reduce the shelf life of bagged product.

Limitations

- For interior applications only.
- Not intended for use as a wear surface.
- Not for use in submerged applications.
- Do not apply directly over painted or gypsum-based substrates.
- DO NOT apply at thicknesses above 1" (25 mm) in one pass.
- For floor areas greater than 5 ft² (0.46 m²) with 1" (25 mm) or greater leveling recommended that either DRYTEK 8400 or a DRYTEK self-leveling cement be used.
- Do not bond directly to luan, OSB, particle board or Masonite® surfaces.
- Note: Surfaces must be structurally sound, stable and rigid enough to support ceramic/stone tile, thin brick and similar finishes. Substrate deflection under all live, dead and impact loads, including concentrated loads, must not exceed L/360 for thin bed ceramic tile/brick installations or L/480 for thin bed stone installations where L=span length

(except where local building codes specify more stringent deflection requirements)

- DRYTEK Premium Skimcoat Patch Underlayment should not be installed over any moving joints or structural cracks (cracks greater than 1/16" [1.5 mm] in width or any crack that experiences any vertical displacement). All existing expansion joints, cold joints and control joints must be brought up through the underlayment and the finish. Failure to honor movement joints will result in cracking and/or loss of bond.

Cautions

Before using any DRYTEK product

- Read and understand the Product Information Data Sheet and Material Safety Data Sheet.
- Perform a mock-up to ensure product will perform as required
- Check www.drytek.com for any technical bulletins or updated information about the product and its application
- Contact your local DRYTEK Technical Sales Representative with any questions
- Contains portland cement. May irritate eyes and skin. Avoid contact with eyes or prolonged contact with skin. In case of contact, flush thoroughly with water.
- DO NOT take internally. Avoid breathing dust. Wear a respirator in dusty areas.
- Keep out of reach of children.

4. TECHNICAL DATA

Physical Properties

FLEXURAL STRENGTH ^A	1300 PSI (9 MPA)
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Specifications are subject to change without notification. Results shown are typical but reflect test procedure used. Actual field performance will depend on the type of tile/stone used, installation methods and site conditions.

A. Flexural Strength per ASTM C-348 – center point loading.

Working Properties

Apply Floor Goods	≥30 minutes
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5. INSTALLATION

Surface Preparation

- Clean substrate to eliminate dust, dirt, oil, grease, paint or any contaminants which may inhibit bonding. Do not use chemicals to clean substrate. Remove any felt-backed floor coverings. Remove any loose particles and vacuum.
- Test surface bond strength of substrate . If minimum 72 psi (0.5 MPa) bond strength is not achieved or the substrate is contaminated mechanically clean by shot blasting or scarifying.
- Inspect for contraction joints, construction joints, and cracks in the substrate which may be subject to movement after installation of DRYTEK® Skimcoat Patch Underlayment. These must be maintained as joints in the new surface.
- Maintain substrate temperature between 43°F (6°C) and 90°F (32°C) during application and air temperature

between 50–77°F (10–25°C) during drying. Provide adequate ventilation to ensure uniform drying.

Installation Over Wooden Sub-Floors

- Installer must verify that deflection under all live, dead and impact loads of interior plywood floors does not exceed industry standards of L/360 for ceramic tile and brick or L/480 for stone installations where L=span length.
- Minimum construction for interior plywood floors:

SUBFLOOR: 5/8" (15 mm) thick exterior glue plywood, either plain with all sheet edges blocked or tongue and groove, over bridged joists spaced 16" (400 mm) o.c. maximum; fasten plywood 6" (150 mm) o.c. along sheet ends and 8" (200 mm) o.c. along intermediate supports with 8d ring-shank, coated or hot dip galvanized nails (or screws); allow 1/8" (3 mm) between sheets and 1/4" (6 mm) between sheets edges; all sheet ends must be supported by a framing member; glue sheets to joists with construction adhesive.

UNDERLAYMENT: 5/8" (15 mm) thick exterior glue plywood fastened 6" (150 mm) o.c. along sheet ends and 8" (200 mm) o.c. in the panel field (both directions) with 8d ring-shank, coated or hot dip galvanized nails (or screws); allow 1/8" (3 mm) to 1/4" (6 mm) between sheets and 1/4" (6 mm) between sheet edges and any abutting surfaces; offset underlayment joints from joints in subfloor and stagger joints between sheet ends; glue underlayment to subfloor with construction adhesive. Refer to Technical Data Sheet 152 "Bonding Ceramic Tile, Stone or Brick Over Wood Floors" for complete details.

- Over Existing Non-water Soluble Cutback Adhesive Residue: Scrape cutback adhesive residue from the floor and remove excess material. Ensure remaining adhesive residue is completely dry.
- Over Ceramic Tile or Cement Terrazzo: Ensure tiles are well bonded to the substrate. Mechanically abrade with a carborundum disk. Wash and rinse thoroughly with clean water. Allow to dry.
- Over VCT: Ensure and document suitable tensile pull strength tests from a representative sample floor area that the adhesion of the vinyl tile to the substrate is a minimum 217psi (1.5 MPa). Remove any loose material. Completely remove any wax or other coatings. Roughen smooth surfaces. Wash and rinse thoroughly with clean water. Allow to dry.

Mixing

Mix 2.5 quarts (2.4 ℓ) of clean cool water per 10 lb (4.5 kg) bag of DRYTEK Premium Skimcoat Patch Underlayment. Do not over-water. Add product to water and mix for 2–3 minutes with a heavy duty drill (650 rpm) to obtain a lump-free mix. Note: material can be re-whipped to extend pot-life but do NOT add more water when re-mixing.

Application

Apply blended material to substrate with trowel at a thickness from feather-edge to 1" (0–25 mm) for all surfaces. After initial set of material (approx. 10–15 min.), remove all overlap marks, seams and inconsistencies by scraping with a steel trowel. Key in but do not over

trowel. Material can be walked on after 15–20 minutes, depending on thickness.

Flooring Installation

Finished floor goods can be applied to surface in as little as 30-minutes after application, depending on thickness, drying conditions and type of finished floor. Due to the relatively low pH level of DRYTEK self-leveling cements, finished floor goods can be applied rapidly without risk of adhesive bond failure. As a general rule, permeable materials such as carpeting may be adhesively or mechanically applied to DRYTEK self-leveling cements, when relative humidity (RH) level of substrate (i.e. concrete slab, etc.) is 95% or below. Non-permeable items such as PVC can be applied at RH levels of 85% or below. RH levels should be determined according to ASTM standard F2170. Always test performance suitability and compatibility of finished floor systems prior to their application. Sample surfaces should be installed as a field test so as to be representative of entire surface and tested for intended use. Always refer to finished floor manufacturers recommendations regarding installation instructions, restrictions and compatibility. Consult finish flooring manufacturer for the required relative humidity levels which underlayments need to achieve prior to the installation of finishes.

6. AVAILABILITY AND COST

Availability

For Distributor information, call:

Telephone: +1.203.393.0010

For on-line Distributor information, visit DRYTEK at www.drytek.com.

Cost

Contact DRYTEK Technical Sales Representative in your area.

7. WARRANTY

See 10. FILING SYSTEM

DS 230.16: DRYTEK 3 Year Product Warranty

8. MAINTENANCE

No maintenance required.

9. TECHNICAL SERVICES

Technical assistance

Information is available by calling the DRYTEK Technical Service Hotline (hours 8:00 AM to 5:30 PM EST):

Telephone: +1.877.DRYTEK1, ext. 247 or;
+1.877. 379.8351, ext. 247

Fax: +1.203.393.1948

Technical and safety literature

To acquire technical and safety literature, please visit our website at www.drytek.com.

10. FILING SYSTEM

Additional product information is available on our website at www.drytek.com. The following is a list of related documents:

DS 230.16: DRYTEK 3 Year Product Warranty

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