



PORT-A-PATCH

Portland Cement Based
Fast Setting Patch Application 0" - 1/2"
(Two Versions: Sanded and Non-Sanded)

Product Information

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Port-A-Patch 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 **Port-A-Patch** 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.

BASIC USE

Port-A-Patch is a rapid patching and leveling compound for use on uneven, rough, or unfinished concrete surfaces. 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 dry installations only. **Port-A-Patch** may also be used for interior applications over properly prepared old cutback adhesive residue.

AREA OF USE

Port-A-Patch may be used on interior or exterior applications where a permanent water-resistant surface is required for receiving decorative floor covering. 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. **Port-A-Patch** may be applied as thin as a feather edge to as thick as 1/2 inch in a single application without the fear of shrinking, cracking or spalling.

LIMITATIONS

Port-A-Patch must not be used over gypsum-based surfaces, paints, particleboard, lauan plywood, plastics, old adhesive residue, vinyl products, 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). Apply to damp concrete (Dampen concrete prior to application using clean water. Note: Do not let puddles remain). 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.

APPLICABLE STANDARDS

There are no industry standards established for this product.

PACKAGING

COLOR: Gray.
BASE: Sanded Powder: consisting of Portland cement, sanded organic and inorganic chemicals.
Non-Sanded Powder: consisting of Portland cement, organic and inorganic chemicals.
PACKAGING: 25 lbs. multi-wall bags

INSTALLATION

Preparatory Work

All surfaces to receive **Port-A-Patch** underlayment must be dry, clean and free from dirt, grease, oil, plaster, sealers, 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.

Wood Substrates

Floor systems, including the framing system and subfloor panels in wood construction, over which **Port-A-Patch** will be installed shall be in conformance with the IRC for residential applications, the IBC for commercial applications or applicable building codes. 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 another product called **FlowRite** following directions on FlowRite data sheet or proceed with **Port-A-Patch** as follows; place exterior grade plywood on the floor prior to leveling. Allow a gap of 3/16" to 1/4" between sheets for expansion. All plywood flooring must be secured with screw type nails and glued where possible. Tape the joints prior to installation of metal lath over the plywood. Install no less than 1/4 inch or greater than 1/2 inch thickness of **Port-A-Patch** over the prepared surface.

Special Surfaces

Over steel surfaces, contact technical support for special instructions.

Old Cut Back 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. CAUTION: Do not sand or grind adhesive residue as harmful dust may result. Never use solvents or adhesive removers as they soften the adhesive and may cause it to penetrate into the concrete resulting in the formation of a bond breaker to the **Port-A-Patch** application. Refer to the RFCI Pamphlet "Recommended Work Practices for Removal of Resilient Floor Coverings" for further information. See www.rfci.com. 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 **Port-A-Patch** with undiluted La-O-Tex liquid at 2.5 quarts per 25 pounds of powder and skim coat the entire area at a minimum of 1/16 inch thick. Dry time of 1-hour minimum depending on job site conditions. Always check for moisture prior to installation of flooring materials. NOTE: Floors prepared over old cut back adhesive residue in the above manner can be used for carpet, vinyl, rubber and strip wood flooring. For instal-

NO-MOLD
GROWTH
FORMULA

Use over
CONCRETE
-OR-
PLYWOOD

UPGRADE
-
MODIFIER

WEATHER
RESISTANT

0"
-
1/2"
Thickness

PORT-A-PATCH

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Product Information

Back - Page 2

lation of rubber tile and other non-porous backed flooring, use an epoxy or pressure sensitive adhesive. NOTE: Always test a small area to be installed. Allow to cure for three days before inspecting for adequate bonding. 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*.

Embossed Floor Leveling

Port-A-Patch is not designed as an embossed floor leveling material. For embossed floor leveling, use TexRite *FeatherRite*.

Expansion Joints

Expansion joints, contraction joints, construction joints or structural cracks shall never be bridged over with *Port-A-Patch*. They should continue through the patch and the subsequent flooring material. Install expansion joints through the *Port-A-Patch* 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 location and details on drawings. Follow procedures EJ171 in the TCNA Handbook.

Mixing

Mix one 25-pound bag of *Port-A-Patch* sanded with 2.5 quarts of clean potable water or latex admixture (3 quarts when using non-sanded). Mix only enough material as can be applied in 10 minutes. Always add powder to the total amount of the 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 *Port-A-Patch*. Key in the initial skim coat with the flat side of a trowel, then build the material to the desired thickness, not to exceed 1/2 inch. 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. *Port-A-Patch* may be sanded to the desired level and texture upon reaching a hard set (usually within one hour under normal conditions).

For areas exceeding 1/2 inch and up to 1 inch in depth, *Port-A-Patch* sanded powder is capable of being modified with a coarse aggregate at a rate of 8 pounds of coarse masonry sand or 10 pounds of pea gravel (1/8 to 1/4 inches) to 25 pounds of *Port-A-Patch* sanded powder.

Coverage

Coverage will be approximately 25 square feet per 25 pound bag at 1/8 inch thickness.

Cleaning

Water is all that is needed to remove uncured mixture.

Curing

A minimum cure for installation of flooring is obtained in 60 to 90 minutes, depending on ambient conditions. If the floor coverings and bonding adhesives to be used are effected by moisture, the *Port-A-Patch* should be tested by moisture meter prior to installation

of subsequent flooring. The *Port-A-Patch* must be allowed to dry to an acceptable level as called for by the flooring manufacturer.

SPECIFICATIONS

Technical Data: Port-A-Patch

Test	Typical Values	
	Sanded	Non-Sanded
*A. Working time	10 minutes	10 min. @70°F
*B. Initial Set	15 minutes	15 min. @70°F
*C. Final Set	30 minutes	30 min. @70°F
D. Compressive Strength (ASTM C-109)		
	2 hours	800 psi 1,200 psi
	24 hours	1,700 psi 3,000 psi
	7 days	2,500 psi 4,000 psi
	28 days	3,900 psi 4,600 psi
E. Flexural Strength (ASTM C348)		
	28 days	800 psi 800 psi
F. Bond Strength (ASTM D3931)		
	28 days	400 psi 400 psi
G. Suitable as a wearing surface		YES
H. Recommended for wood		YES
I. Recommended for intermittent moisture exposure		YES

*These values reflect the results of practical testing methods closely associated with applications in the field.

J. **SAFETY – CAUTION: Powder**- 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.

KEEP OUT OF REACH OF CHILDREN.

K. Storage Life - One year if kept dry in sealed container and bag.

Protect from freezing

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