



UNIVERSAL FIREPROOFING PATCH

Product Data Sheet

PRODUCT DESCRIPTION

- Universal Fireproofing Patch (UFP) is a versatile, hand applied fire resistive material designed specifically for the patching and repair of damaged Spray-Applied Fire Resistive Materials (SFRMs).

TESTING

- UFP is independently tested by VTEC and Intertek Laboratories as a hand applied patch and by UL as a SFRM

FOR USE WITH

- Medium and low density SFRMs. UFP has been tested against known and available classes of SFRMs under a variety of application conditions. UFP is designed to be used when the existing fireproofing cannot be identified or no longer be purchased.

PRODUCT ADVANTAGES

- ASTM E 119 up to a 3 hour rating
- Superior adhesion / cohesion
- A single component mix; just add water
- No applicator certification is required; it is DIY
- Compatible with cementitious and fibrous SFRMs
- Can be painted with a water based paint

PROPERTY	TEST METHOD	RESULTS / VALUE
Color	Normal	Off white to beige / textured
Density	ASTM E605	38.52 lbs/cf
Flame Spread	ASTM E84	0
Smoke Developed	ASTM E84	0
Adhesion / Cohesion	ASTM E736	2745 lbs/sf
Fire Resistivity (2 Hours)	ASTM E119	2 hours @ 1 3/16"
Fire Resistivity (2 Hours)	UL 263* as a SFRM	2 hours @ 1 3/16"
Fire Resistivity (3 Hours)	ASTM E119	3 hours @ 1.61"

*for information on test Y737 please go to UL Product IQ at <https://iq.ulprospector.com/en>



SPRAY APPLIED FIRE RESISTIVE MATERIAL
FIRE RESISTANCE CLASSIFICATION
SEE UL FIRE RESISTANCE DIRECTORY
DESIGN NO: Y737

U.S. PATENT # 9,963,638

The technical data contained herein is true and accurate to the best of our knowledge; but is subject to change without notice. We warrant our products to conform to established quality control procedures. No other warranty or guarantee of any kind is made by Vellrath Engineering, expressed or implied. Universal Fireproofing Patch (UFP) are registered trademarks of Vellrath Engineering.



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APPLICATION INSTRUCTIONS (25LB BUCKET)

1. Identify the area to be patched. When the extent of damage has been determined, clean (we recommend wire brush or coarse cloth) the areas to be repaired making sure the substrate is free of dirt, oil, dust, or anything else that might impede bonding. Do not use cleaners on the area. Do not wet the area to be patched.
2. The bucket contains 25 lbs. of dry patch material. It equals 8.6 board feet of patch and contains enough material for 25 repairs at 8.5" x 11" at ½ inch thick.
3. Product might settle during shipment. Please shake and roll container prior to adding water to ensure contents are mixed thoroughly and evenly distributed.
4. To use the full bucket, use 3 gallons of potable water. Add approximately 90 - 95% to the dry mix. Add the balance of water sparingly; only if necessary. NOTE: Most initial reactions are that the mix will seem too dry, keep working the material as it will tend to wet itself with further mixing. Only add additional water as a last resort, and then only slightly. Mixing is approximately two minutes. NOTE: A two hour set time has been built into the mixture. DO NOT RECONSTITUTE if hardening begins.
5. Apply Universal Fireproofing Patch to the patch area using a hand trowel of your choosing. Apply up to 1 inch maximum depth per pass. Do not over trowel the area as it may cause shearing between the patch material and the substrate.
6. Allow material to "set" overnight before applying subsequent coats. Complete drying can take several weeks.
7. Examine the patch area for any issues of non-conformity which may include: sagging (from too much water to the mix), thickness (apply UFP to match existing fireproofing), cracking (from drying too fast). If nonconformity issues are observed, apply another pass of UFP.
8. Perform a final visual inspection. The patch should be applied to match the existing thickness of the original application. The intent is to maintain a uniform and robust appearance.
9. When mixed with water, protect from freezing.
10. When complete, clean hands and equipment simply with water.
11. If substrate is questionable, contact Vellrath Engineering for assistance at 860.582.6140.

PATCH SIZE RESTRICTIONS: Up to 3 sq. ft. (432 sq. in.)

TEMPERATURE RESTRICTIONS: Not below 40 degrees (during cold weather season, the building should be heated prior, during and post application)

STORAGE: UFP may be stored sealed in a cool, dry area for up to 2 years

POT LIFE: 2-4 hours after mixed. Set time is 24 hours.

NOT FOR USE WITH: Intumescent fireproofing or exterior applications



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