

# **UNIVERSAL FIREPROOFING PATCH**

## **APPLICATION INSTRUCTIONS - 5 lb. BUCKET**

- 1.** Identify the area to be patched. When the extent of damage has been determined, clean the areas to be repaired making sure the substrate is free of dirt, oil, dust, or anything else that might impair bonding.
- 2.** Open the kit to verify contents: it contains 5 lbs. of dry patch material. The full kit equals 1.72 board feet of patch. Kit contains enough material for 5 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.
- 4.** To the full kit use 5 pints of potable water. Add approximately 95% to the dry mix. Add the balance of water 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.
  - NOTE: Mixing shall be two minutes and not more than 2 1/2 minutes.
  - NOTE: A two hour set time has been built in to the mixture. DO NOT RECONSTITUTE if hardening begins.
- 5.** If substrate is questionable, please contact Vellrath Engineering for assistance.
- 6.** Apply Universal Fireproofing Patch to the patch area using a hand trowel of your choosing. Apply up to 3/4" maximum depth per pass. Do not over trowel the area as it may cause shearing between the patch material and the substrate.
- 7.** Allow material to "set" overnight before applying subsequent coats. Complete drying can take several weeks.
- 8.** Examine the patch area for any issues of non-conformity. Nonconformity may include-sagging (too much water to the mix), thickness (apply UFP to match existing fireproofing), cracking (drying too fast) and things of this nature. If nonconformity issues are observed, apply another pass of patch material.
- 9.** Final examination, the patch should look as solid as the original application. The intent is to maintain a uniform and robust appearance.
- 10.** Note: When mixed with water, protect from freezing.

**UFP – Universal Fireproofing Patch has been developed by Vellrath Engineering,  
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