

Monokote® Patching Compound

Fireproofing Patching Material for Repairing Monokote MK-5, MK-6 and MK-10 Products

Application Guide

Monokote® Patching Compound is the **only** UL approved patching material for patching Monokote MK-5, MK-6 and MK-10 Products that when applied as directed, will maintain the original fire rating of the steel member.. It is a mill-mixed plaster, (cementitious) fireproofing material that can be hand mixed and trowel applied as required for patching and repairs to surfaces. Monokote Patch Compound is hand-applied directly to the steel and/or well-bonded material using standard plastering tools and techniques. It has excellent bonding characteristics; it can be applied up to one inch per pass.

Monokote® Patching Compound is classified for use in all UL designs associated with Monokote MK-5, MK-6 and MK-10 Products. References to Monokote® Patching Compound can be found at Database.UL.com by searching for UL File number R4339. Per UL patching guidelines, Monokote® Patching Compound can only be used to patch individual areas of 144 square inches or less. It will provide the same hourly fire resistance of the material being replaced as long as the thickness of the Monokote® Patching Compound is equivalent to or greater than the required thickness of the material being replaced. One pail of Monokote Patching Compound can cover 6 ½ sq ft of area at a thickness of one inch.

Tools and accessories

- Drill
- Mixing blade (e.g., ribbon)
- Water container for measuring water requirements
- Trowel
- Dust mask
- Gloves
- Safety glasses

Mixing Instructions (step-by-step)

Steps 1 – Open pail



Step 2 – Measure out 1 ½ gallons of potable water



Step 3 – Pour water into pail containing Monokote Patching Compound.



Step 4 – Mechanically mix material for 1-3 minutes until the mix is a lump-free. Hand-held Mixers such as a drill mounted mixer are suitable.



All material is to be thoroughly wet.



When properly mixed, Monokote Patch Compound has a potlife between 2 to 4 hours. Monokote Patching Compound should not be retempered if the material has started to stiffen or set.

Step 6 – clean areas to be patched



Step 7 – Apply Monokote Patching Compound



There is a one inch maximum thickness that can be applied in a single pass. Anything above one inch requires multiple coats. Allow material to become stiff but not completely dry before applying the next coat.

When patching over in-place material that has dried, immediately before application it may be necessary to pre-wet the in-place material sufficiently to prevent premature drying of the newly applied patching material. One pail of Monokote Patching Compound can cover 6 ½ sq ft of area at a thickness of one inch.

Monokote Patching Compound should not be used if it contains partially set, frozen or caked material. Monokote Patching Compound should not be retempered if the material has started to stiffen or set.

Environment

An air and substrate temperature of 40°F (4.5°C) minimum should be maintained for 8 hours prior to application, during application and 24 hours after application of Patching Compound.

Provide ventilation to achieve a minimum fresh air exchange rate of 4 times per hour until the material is substantially dry.

Safety

A Material Safety Data Sheet for Monokote Patching Compound is available on our web site at www.graceconstruction.com or call toll free at 866-333-3SBM.