

Zono-Patch



Patching Compound for Lightweight Insulating Concrete

Zono-Patch is a unique mixture of cementitious binders, low density fine aggregates, and proprietary additives specifically designed for the repair of lightweight insulating concrete roof deck surfaces of all types, including vermiculite, perlite, and cellular foam. Zono-Patch is ideally suited for filling base ply fastener holes, repairing incidental surface damage, and thin patch repair of bird baths, rough cold joints, etc. in both new and existing lightweight insulating concrete surfaces. The special formulation of Zono-Patch is moisture resistant, fast-setting, and allows feather-edging of thin coat applications.

- Unlike gypsum compounds, the mixture of cementitious binders used in Zono-Patch make it resistant to moisture from sources such as subsequent inadvertent roof leaks.
- Zono-Patch has an accelerated "set" or rate of strength gain. Therefore, the repaired surface will accept foot traffic and base ply fasteners and can be covered with new roof membrane within two to four hours of application.
- The formulation of Zono-Patch makes it possible to feather-edge (trowel to zero thickness) patches with predictable bond and resistance to delamination and spalling.

Zono-Patch Mixing Instructions

One five-gallon container of Zono-Patch requires approximately 3.0 gallons of water for mixing. The quantity of water may be adjusted to control the consistency and handleability of the material during application. Adding more water will make the product more fluid; less water will make it stiffer. Sufficient

water should be added to create a wet mix that is easily troweled and finished to a smooth surface.

ALWAYS ADD DRY POWDER TO WATER!

Adding water to powdered material will result in an unmixable combination.

Mixing can be accomplished in a mortar mixer or in a plastic pail with a "jiffy" mixer attached to a drill motor. Using either method, mix until the wet slurry is of a smooth, lump-free, creamy consistency.

Partial container quantities may be mixed; simply ratio the water accordingly. Multiple container quantities may be mixed using the same concept.

Zono-Patch Application Instructions

Remove all debris from the area, and remove any deteriorated roof deck material, down to a sound substrate. For improved bonding, moisten the existing lightweight insulating concrete surface with water or a 1:1 dilution of acrylic or PVA concrete bonding agent. The extent of moistening necessary will depend on the nature of the surface being repaired. Very low density, potentially dusty surfaces will require more preparation. If moistening is insufficient, the product will stiffen (from moisture starvation) too quickly to finish.

Pump or pour the Zono-Patch into place. Finish Zono-Patch to a smooth surface. Trowel finish the feathered edges to a smooth transition to the existing surface in a workman-like manner.



When mixing Zono-Patch, always add dry powder to water.



Using a mortar mixer or "jiffy" mixer, mix to a smooth, creamy consistency.



Remove all debris from the area.



Moisten the existing substrate with water.



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For thin patch repair, pour Zono-Patch into place.



Screed Zono-Patch to a smooth finish.



Trowel-finish a feathered edge.



Fill and repair divots with a trowel.

Application Limitations:

Temperature

Zono-Patch must not be installed when the air temperature will fall below 32° F during the first twenty-four hours after application of the product.

Thickness

Do not apply large areas of Zono-Patch at thicknesses of two inches or more. When conditions require patches of this magnitude, use an appropriate non-accelerated patching material (NVS Premix or equivalent).