



Elephant Armor®

The World's Most Amazing Cementitious Patch and Overlay Product!



Global Sealer
Technologies

Procedures for Elephant Armor® - Spall Repair

Surface Preparation

1. Saw cut or use a crack chaser blade on the perimeter of the working area at a 30° to 45° angle to create a mechanical attachment point to the sound asphalt or concrete.
2. Repair surfaces must be clean, sound, and free of contaminants that act as a bond breaker such as oil, curing compounds, acids, dirt, grease, paint and loose debris.
3. The use of GST International Pro-Grade cleaner and power washing is strongly advised in order to properly prepare the surface for a proper bond.

Prime Surface

1. Slurry/Bond coat (*best practice*) is a blend of Elephant Armor® with enough undiluted Elephant Armor® Primer to make a paint like consistency. Work the slurry into the repair area with a stiff masonry brush. Place Elephant Armor® prior to the slurry coat becoming tack free. This application conforms to the structural bonding requirements of ASTM C 1059-91, Type II.
2. Bonding Agent (*neat*) – Apply Elephant Armor® Primer undiluted by roller or GST International specially designed pump sprayer onto the prepared surface. When the primed surface becomes tacky, place the Elephant Armor®. If the primer dries and becomes tack-free, the primer must be re-applied.

Mixing /Applying /Curing/Sealing Elephant Armor®

1. Mix Elephant Armor® to the recommended consistency with a high shear mixer with a mortar bit or egg beater paddle. For larger volumes a pull behind mixer may be used.
2. Depending on the type of repair, the mixed material may be placed using the Elephant Armor® textured gauged rollers, hand trowels or screeds.
3. Apply Elephant Armor® Cure per manufacturer instructions. (*see data sheet*)
4. If using water curing, apply wet burlap or wet burlene curing blankets for at least two hours immediately following initial set of Elephant Armor®.
5. GST International Water Block may also be used as a cure after the Elephant Armor® has reached initial set. A second application should be applied the next day in order to ensure water repellency and protection from corrosive environments.



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