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Standard Specification for Stucco Repairs

This specification is a general specification for repair of cement-based or one-coat stucco systems. This specification must be modified as necessary to comply with the actual application instructions provided by the manufacturer of any proprietary materials used for the repairs. This specification is intended for use where stucco has been damaged, where modifications are necessary after installation, or where repairs are necessary for installation of control joints, casing beads, flashings, and other accessories.

1. Begin with stucco surfaces that are clean and dry. Do not perform stucco repairs if the temperature is lower than 40 degrees F, or higher than 95 degrees F, or if these temperatures are expected within 24 hours after the repairs are complete. Repairs may be made outside this temperature range, if provisions are made to keep the repaired area conditioned until curing is complete.
2. Cut through the stucco around the affected area. Make sure to cut only far enough to clear the affected area and any accessories that will be installed. The cut should be deep enough to cut through the metal mesh, but not into the moisture barrier or sheathing.
3. Remove the stucco in the affected area, inside the cuts made above.
4. Score the stucco 2" past the previous cut, and carefully chip out the stucco from the mesh.
5. Install new moisture barrier material and flashing as necessary in the repair area. Overlap the moisture barrier so that water drains down the face of the materials, and drains to the outside. Backing should be overlapped at least 2" where possible. Tape the seams in the moisture barrier with acrylic, asphalt or rubber flashing tapes, as appropriate.
6. Install any new accessories, new mesh, etc. so that the new mesh and old mesh overlap by 1" to 2".
7. Tie the layers of mesh together with .0475-in. galvanized annealed steel wire, every 6". Tie the mesh to any other supports as appropriate.
8. The edges of the existing stucco should be dampened so that they are wet, but not glistening.
9. Prepare a slurry coat consisting of 1 part cement, 1 part sand and a liquid bonding agent, mixed to a pancake batter consistency. Apply to the edges of the existing stucco. The recommended bonding agents are Thoro's Acryl 60 or Sonneborn's StuccoBond. Others may be acceptable if specified for this application.
10. Within ½ hour, prepare and apply the new stucco per ASTM C 926 with the bonding agent substituted for 1/3 of the water. The actual mix chosen from ASTM C 926 should match the existing stucco as close as possible. In One-Coat stucco applications, use of the original One-Coat stucco as provided by the manufacturer is acceptable. Mix the One-Coat stucco as specified by the manufacturer, with no bonding agent substituted for the water, unless allowed by the manufacturer.
11. The new stucco should be moist cured to prevent cracking. The procedures required can vary depending on climatic conditions. We recommend preventing exposure to sun and wind and the maintenance of approximately 75% humidity for at least 48 hours.