

843.07.10 Instructions

When trowelable mortar material has been approved for use, the Contractor shall... If the manufacturing process has been changed, the Contractor shall establish performance variances... The Contractor shall furnish the Engineer a copy of the manufacturer's mixing and application instructions...

843.08 Removal of Concrete. The Engineer shall sound concrete areas to determine depth of sound concrete. Where more than one-half of the perimeter of a hole is exposed, the hole shall be removed to a depth that will provide adequate anchorage for other reinforcing bars... Chipping hammers shall be used to remove concrete from the surface of concrete, they shall, if possible, be used in that coverage unless otherwise approved.

843.09 Surface Preparation. Cleaning shall precede patching. The surface to be patched shall be cleaned by high pressure water blasting. Exposed reinforcing and structural steel shall be free of rust, asphalt residue, and all other contaminants... Ultra-high pressure water (UHP) cleaning shall precede blast cleaning... The finished surface of the repair shall be cured in accordance with the manufacturer's recommendations.

843.10 Patching. The mixing, proportioning, placing and curing of repair materials used shall be in accordance with the manufacturer's recommendations. The finished surface of the repair shall be cured in accordance with the manufacturer's recommendations.

843.11 Curing. Patches shall be cured in accordance with the manufacturer's recommendations.

843.08 Inspection and Sounding of Concrete Patches. After curing and before final acceptance, all patches shall be sounded. All unsound or cracked patch areas shall be removed and repatched according to this specification at the Contractor's expense. Aerosol paint for outlining shall be provided by the Contractor. All sounding and replacement of rejected areas will be the responsibility of the contractor and included in the unit bid price for this item. Sounding and repatching shall continue until only sound, uncracked patches remain.

843.09 Method of Measurement. The quantity shall be the actual area of the exposed surface of all accepted patches, irrespective of depth or thickness of the patch. If the patch includes corners or edges of members, all of the exposed surfaces shall be included. The cost of all labor, equipment, incidentals and materials for sounding and patching shall be included in the unit price bid for this item.

843.10 Basis of Payment. Payment will be made at the contract price bid for:

Item	Unit	Description
843	Square meter (square foot)	Patching concrete structures with trowelable mortar