CRAFCO®
PRESERVATION PRODUCTS

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SPECIFICATIONS

49000N E-Z PAINT MIXER

JULY 2026

It is the purpose of these specifications to describe a machine designed to mix Acrylic Resurfacer and Color Surface Coatings in a trailered, self-contained unit capable of driving itself around the job sight. This unit shall be the manufacturer's current production model.

	Comply	Does Not Comply
1. GENERAL		
A. The machine shall be a complete, self-contained unit of heavy-duty construction.		
B. The machine shall be the manufactures current production model manufactured in the United States of America.		
C. The mixer shall have a continuous material mixing system to provide uniform viscosity of material being applied.		
D. A comprehensive safety manual and an operational maintenance manual shall be supplied with each unit.		
2. TOWING FRAME AND JACK		
A. This machine shall be trailer mounted.		
B. The longitudinal side frames and tongue members of the trailer shall be on one continuous piece construction composed of hot rolled steel channel having the minimum dimensions of 4 inches (10.46 cm) web, 3/16 inch (.48 cm) thickness with 1.56 inch (3.96 cm) flanges.		
C. The tongue shall be equipped with a 3 inch heavy duty pintle hitch and is adjustable in height. The tongue hitch plate shall be positioned in such a manner that allows for the tongue to be raised to provide clearance for the units drive wheel while under tow.		
D. The pintle hitch shall be bolted to the hitch plate for easy height adjustment.		
E. Tongue jack shall be a hydraulic cylinder with 1-1/4 inch (3.18 cm) rod and 20 inch (50.8 cm) stroke.		
F. Tongue jack shall have a bolt on sand pad for support. Pad shall be a minimum of 7 inches (17.8 cm) by 5-3/8 inches (13.7 cm).		
3. RUNNING GEAR		
A. The unit shall be equipped with a torsional axle having a safe load capacity of 3,500 pounds (1,587.5 kg), electric brakes, modular disk wheels and ST225/75 R15 tubeless tires (Load Range D).		

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	Comply	Does Not Comply
B. The trailer shall have dual LED taillights, stop lights, and turn signals		
C. Lights shall be ICC approved.		
D. A license plate holder and light shall be attached to the rear of trailer.		
E. Unit shall have a 7 Pin, RV style trailer plug.		
F. The unit shall also be equipped with two safety chains not less than 48 inches (121.9 cm) of 3/8 inch (0.96 cm) coil proof chain, attached to the tongue with a 9/32 inch (0.71cm) shackle connecting link on the end attached to the frame and a screw type clevis pin on the opposite end.		
4. MIXING TANK		
A. Mixing tank shall be 1/4 inch heavy duty steel construction.		
B. Mixing tank shall be U-shaped with a loaded capacity of 165 gallons (625 L) but not to exceed 1,800 pounds (816 kg) material weight, and overall capacity of 244 gallons (924 L).		
C. Tank shall have a 3 inch (7.62 cm) outlet at the rear of the tank and shall have a butterfly valve with a latching handle to control outflow of material from the tank.		
D. There shall be a Cam & Groove dust cover on the outport to keep out dirt and debris.		
E. The material tank will have a hydraulicly driven, full sweeping, horizontal 2 paddle agitator.		
F. The agitator will be equipped with rubber wipers on the end of each paddle.		
G. The agitation system is chain driven by a hydraulic motor with a sprocket reduction to the agitator. There shall be a guard to cover the chain for safety.		
H. The agitator shall rotate in either direction with infinite speed control.		
I. There shall be a two piece hinged loading cover at the top of the tank to allow loading of material into the tank. Loading cover shall be bolted in place for easy removal from the tank.		
J. Hinged portion of the lid shall be 1,255 square inches (3,188 cm), approximately 31.5 inches (80 cm) by 39.75 inches (101 cm) for loading of material and shall be held closed by 2 rubber T-latches.		
5. SELF-PROPELLED MECHANISM		

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	Comply	Does Not Comply
A. Unit shall have a 5.70-8 load range C tire mounted on a steel wheel attached to the frame tongue to drive the unit around the project site.		
B. Drive wheel/tire shall be mounted on a drive shaft. Drive shaft shall be attached to a steering yoke with two pillow block bearings.		
C. Steering yoke shall be mounted to the frame on two 4-bolt flange bearings.		
D. Steering yoke shall have a steering arm attached, to allow for hand steering of the unit from the outside passenger side of the unit.		
E. Drive wheel shall be powered by a hydraulic motor and shall be chain driven. Chain shall be adequately guarded for safety.		

6. ENGINE

A. Unit shall have a gasoline engine.		
B. Engine shall have a net horsepower of 5.8 HP (4.3 kW) @3600 RPM.		
C. Engine shall have a recoil starter.		
D. Fuel tank shall be mounted to the engine and have a 3.3 quart (3.1 L) capacity.		

7. HYDRAULIC TANK

A. The hydraulic tank shall be made of steel with the dimensions of 23.5 inches (59.7 cm) long by 10.5 inches (26.7 cm) wide by 11 Inches (27.9 cm) tall and having a filled capacity of 9 gallons (34 L).		
B. The hydraulic tank shall have an external spin on type oil filter rated at 10 microns and have a 15 psi bypass.		

8. HYDRAULIC SYSTEM

A. The hydraulic system of this unit shall consist of a hydraulic pump, directional hydraulic control valve, hydraulic cylinder, and hydraulic motors.		
B. Unit shall have a high pressure gear pump direct coupled to the engine.		
C. Drive wheel, agitator and hydraulic jack shall be controlled by a 3 spool monoblock directional control valve rated for up to 3000 psi.		
D. Control valve shall be mounted near the self-propelled steering arm for ease of operation by the operator.		
E. Control valve levers to operate the agitator and drive wheel in both directions shall have a friction detent to continuously drive these		

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	Comply	Does Not Comply
functions. The hydraulic jack lever shall spring back to center when released.		

9. PAINT

A. All painted surfaces shall be painted with a direct to metal single stage polyurethane enamel paint.		

10. SAFETY AND TRAINING MANUALS

A. A written operator's manual and a safety manual will be provided with each machine.		

11. SIZE AND WEIGHT SPECIFICATIONS

A. The shipping weight is approximately 1,640 lbs. (744 kg). The overall length is 10 feet 10.82 inches (332 cm), width is 5 feet 2.5 inches (159 cm), and height is 5 feet 5.5 inches (166 cm).		

12. WARRANTY

A. The manufacturer shall warranty the equipment for no less than two years.		
B. A written manufacturer's standard warranty policy shall be provided in the Operator's Manual.		

13. QUALIFICATIONS OF BIDDERS

A. No bid will be considered unless the bidder can meet the following conditions:		
B. Bidder must have a parts/service location and keeps a sufficient stock of parts on hand at all times.		
C. The equipment offered is the stock model chassis that meets the requirements of the specifications without material changes or modifications.		
D. The model is regularly advertised and sold by the manufacturer.		

APPROVED EQUAL

The approved make and model for this specification is a Crafco E-Z Paint Mixer. Bidders offering to supply equipment other than the approved make and model must supply a detailed description of the equipment being offered. For purposes of comparison a separate list of all deviations to this specification must be attached to your bid document.

Prior to bid award an on-site demonstration of the equipment offered may be requested. All bidders offering other than the approved model listed will be required to provide an on-site demonstration at the agency's location within 7 days of request to verify that their unit complies with all specification requirements before their bid will be considered. Failure to carry out the provisions noted herein is deemed sufficient reason to reject the bidder's proposal.

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