14415 S. 50th St., Suite #100 • Phoenix, AZ 85044-6460
602-276-0406 • www.crafco.com

SPECIFICATIONS FOR 40199 EZ-50 GALLON MELTER APPLICATOR, SKID MOUNT

JULY 2026

The purpose of these specifications is to describe a double-boiler type melter applicator that is specifically designed for and shall be capable of heating and applying all grades of asphalt rubber sealant, fiber modified asphalt sealant, and specification joint sealant without any further equipment modification. It may be used for the application of resinous, colored sealant and fillers. This unit shall be the manufacturer's current production model manufactured in the United States of America.

	Comply	Does Not Comply
1. GENERAL SPECIFICATIONS		
A. The machine shall be capable of dispensing sealant material within one hour of start up at a 70° F (21.1° C) ambient temperature.	_____	_____
B. All qualified bidders must have and maintain a complete inventory of repair parts and have experienced, factory-trained service personnel for this equipment.	_____	_____
C. A comprehensive safety manual shall be supplied with each unit.	_____	_____
D. A factory-trained person shall be made available for initial start-up and training in the operation of the melter.	_____	_____
E. Temperature indicating devices shall have intervals no greater than 5° F (2.8° C) and shall be calibrated as required to assure accuracy.	_____	_____
F. The melter shall have continuous sealant agitation and a mixing system to provide uniform viscosity and temperature of material being applied.	_____	_____
Other:_____ _____	_____	_____
2. REQUIRED SAFETY FEATURES		
A. The heat transfer oil shall adequately and efficiently bring the sealant material to application temperature without the use of a heat transfer oil circulation pump. This eliminates the potential exposure of personnel to pressurized hot heat transfer oil.	_____	_____
B. The material tank meets all FMCSA requirements for elevated temperature materials by meeting CFR Title 49, Part 173.247.	_____	_____
Other:_____ _____	_____	_____
3. FRAME		

©2026, Crafco, Inc., All Rights Reserved

	Comply	Does Not Comply
A. This unit shall be skid mounted. The longitudinal side frames and tongue members of the trailer shall be of one continuous piece construction composed of hot rolled steel channel having the minimum dimensions of 3 inches (7.6 cm) web, 3/16 inch (.48 cm) thickness with 1-3/8 inch (3.5 cm) flanges.	_____	_____
B. Total shipping weight is approximately 1000lbs (453 kg).	_____	_____
C. Overall size of the unit is 6'-1/4" (183.52 cm) Long x 3'-5" (104.14 cm) Width x 4'-9" (144.78 cm) Height.	_____	_____
Other:_____ _____	_____	_____

4. HEATING TANK

A. The material heating tank shall be a minimum of 30 inches (76.2 cm) in diameter by 16 inches (40.6 cm) deep having a capacity of 50 gallons (189.3 l) at ambient temperature.	_____	_____
B. A double boiler type jacket shall create a reservoir which shall hold a minimum of 18 gallons (68.1 l) of heat transfer oil at 70°F (21.1°C). (Note: at 500°F (260°C) the heating oil will expand approximately 18%.)	_____	_____
C. The jacket shall wrap around 100% of the outside area of the circular material tank and allow for complete circulation of the heated transfer oil.	_____	_____
D. The tank and jacket shall be made of 10 gauge (.134 inch) (.34 cm) hot rolled sheet steel minimum.	_____	_____
E. There shall be a plug to allow the entire heat transfer oil system to be drained.	_____	_____
F. The heat transfer oil shall be of ISO Grade 68.	_____	_____
Other:_____ _____	_____	_____

5. EXPANSION TANK

A. A vented expansion tank for heat transfer oil. Overflow down tubes are unacceptable.	_____	_____
Other:_____ _____	_____	_____

6. TANK INSULATION

©2026, Crafco, Inc., All Rights Reserved

	Comply	Does Not Comply
A. The heating tank shall be insulated with a minimum of 1-inch (2.5 cm) thick high temperature ceramic insulation and covered by a 22 gauge (.08 cm) galvanized steel outer wrapper.		
B. Fiberglass and rock wool insulations are unacceptable due to their moisture retention properties resulting in a significant loss of their insulating value.		
Other:_____ _____		

7. LOADING HATCH

A. The opening shall have a minimum area of 188 square inches (1,212.9 square cm) and shall be hinged.		
Other:_____ _____		

8. HEATING SYSTEM

A. One 180,000 BTU vapor propane fuel burner directly at the bottom of the heat transfer oil tank heats the heat transfer oil.		
B. The total area exposed to the burner shall be a minimum of 2,900 square inches (18,709.6 square cm) or 20.1 square feet (1.9 square m).		
C. The material tank shall have a minimum of 2,210 square inches (14,258 square cm) or 15.3 square feet (1.4 square m) of contact with the heat transfer oil.		
D. This provides for a melt rate of a minimum of 400 pounds (181.4 kg) per hour.		
Other:_____ _____		

9. IGNITION OF BURNER

A. The burner shall be manually lit via a pilot light.		
B. If the pilot light is extinguished or fails to remain lit, a sensor will shut down fuel supply automatically.		
C. The controls for the burner shall be incorporated into the control box located on the rear side of the machine for operator safety.		
Other:_____ _____		

©2026, Crafco, Inc., All Rights Reserved

	Comply	Does Not Comply

10. TEMPERATURE CONTROL

A. The melter applicator shall have a thermostatic control device that will automatically regulate hot oil temperature.		
B. Two dial type temperature gauges visually indicate actual temperature of heat transfer oil and material and are located on the top curbside of the unit.		
C. The thermostat shall control burner ignition for a temperature range from a low of 200°F (93.3°C) up to a high of 425°F (218.3°C) for a wide variety of sealants.		
Other:_____ _____		

11. DRIVE AND DRIVE CONTROLS

A. The motive force to the agitator shall be a hydraulic motor driven by a 2-piston hydraulic pump/reservoir coupled to a single cylinder gasoline fueled engine.		
B. The drive controls governing the rotation direction of the agitator shall be by an independent hydraulic valve with integral relief valve.		
Other:_____ _____		

12. AGITATION

A. The sealant material shall be mixed by a hydraulically driven full sweep vertical agitator with two opposing horizontal paddles with vertical risers attached to the extreme ends. This feature ensures that material remains in complete suspension and that the hot material stays in the lower area of the tank and does not get splashed or thrown to the upper areas of the tank where it can collect and build up.		
B. The agitator shall rotate in either direction with infinite speed control.		
Other:_____ _____		

13. ENGINE

A. A single cylinder 3 HP gasoline engine will be supplied.		
Other:_____ _____		

©2026, Crafco, Inc., All Rights Reserved

	Comply	Does Not Comply

14. NOISE LEVEL

A. At an average of 6 feet (1.8 m) from the unit, the noise level shall be a maximum of 85 D.B.A. _____ _____

Other:_____
_____ _____ _____

15. FUEL CAPACITY

A. The melter shall have a 100 pound (45.4 kg) vapor propane bottle. _____ _____

Other:_____
_____ _____ _____

16. PAINT

A. All painted surfaces shall be coated with Axalta two-part epoxy paint applied by Axalta certified painters. _____ _____

Other:_____
_____ _____ _____

17. TRAINING

A. An authorized, factory-trained representative will be made available for a full day of training at a facility designated by the bidding agency. _____ _____

B. At this training session a complete operational, mechanical and safety overview will occur. _____ _____

C. The operation manual will be viewed and discussed with all concerned personnel. _____ _____

D. Additionally, the representative will be available at that time for "on the job" training as the crew moves out on the pavement to perform crack sealing in the field. _____ _____

Other:_____
_____ _____ _____

18. SAFETY AND TRAINING MANUALS

A. A written Safety Manual will be provided to the bidding agency. _____ _____

19. PARTS

©2026, Crafco, Inc., All Rights Reserved

	Comply	Does Not Comply
A. Bidders must show proof that a large stock of parts for the model of equipment upon which they are bidding is maintained at their facility.		

20. AWARD

A. Equipment is for use by the Highway Department and must meet the requirements of that agency as interpreted by the Highway Commissioner.		
B. Prior to award the Purchasing Agency may require a visit to the supplier's facility to assure supplier has plant capacity to manufacturer and deliver equipment on time as required.		
C. If it is determined that the supplier cannot supply as requested, this is just cause for cancellation.		

21. WARRANTY

A. The manufacturer shall warranty the equipment for two years or as otherwise noted in the manufacturer's standard warranty policy.		

22. QUALIFICATIONS OF BIDDERS

A. No bid will be considered unless the bidder can meet the following conditions:		
B. That it has in operation a parts/service location and keeps a sufficient stock of parts on hand at all times.		
C. That it is bidding upon the stock model chassis that meets the requirements of the specifications without material changes or modifications.		
D. The model is regularly advertised and sold as having a capacity of not less than called for herein.		
E. The bidder has been engaged in the manufacture of equipment of the type bid upon for at least twenty-four months.		

©2026, Crafco, Inc., All Rights Reserved

OPTIONS REQUIRED (X if to be included)

(Customer to insert quantity for each option required)
_____V-shaped Squeegee
_____Tool Box
_____10 # Fire Extinguisher
_____10 # Fire Extinguisher Bracket
_____20 # Fire Extinguisher
_____20 # Fire Extinguisher Bracket

APPROVED EQUAL

These specifications are not intended to be restricted, but are meant to describe the kind and size of unit desired to be purchased in detail. If a bidder is basing his proposal on other equipment than what is specified in these bid documents and wishes the equipment he proposed to be considered as an "approved equal," he will submit on a separate sheet attached to the Technical Specifications contained herein, an item by item description of that which he proposes. For purposes of comparison, include only those items on each sheet as given in these Technical Specifications. Such bidders shall also include, but not as a substitute for the above, any manufacturer's literature or specifications. In addition, if the bidder takes exception to any item, he will note the item and describe in detail the exception and how his proposal is an "approved equal." Failure to carry out the provisions noted herein may be deemed sufficient reason to reject the bidder's proposal.

©2026, Crafco, Inc., All Rights Reserved