

PERMACAST® PC-20HD Material Application Platform Specification



1.01 Tandem Axle Trailer:

- A. Capacity: 14,000 lb GRWR 14,000 lb GAWR
- B. Deck Width: 82 Inches
- C. Deck Length: 20 feet
- D. Standard Features:
 - 1) 2 5/16" Ball Coupler Hitch with Heavy Duty Safety Chains.
 - 2) 7 Way RV Plug
 - 3) 7" Channel Frame and Tongue
 - 4) Two 6,000 lb with Electric Brakes wired to plug and loom
 - 5) Break-Away Kit with Battery
 - 6) Stake Pockets & D-Rings
 - 7) Two-Inch Treated Pine Floor.
 - 8) Leaf Spring Suspension.
 - 9) Solid Braced Teardrop Fenders.
 - 10) 16" Radial Tires, 8 Bolt Hub, White Steel Spoke Wheels.
 - 11) Spare Tire and Carrier. Reflective Marker Tape installed on trailer.

- 12) DOT Compliant Lighting.
- 13) 10,000 lb. Spring Assisted Jack
- 14) Acid Etched with White Phosphorus and Primed With 2-Component Epoxy Primer.
- 15) Painted With 2-Component Polyurethane Paint with Reflective Pinstripe. (White)
- 16) Pallet Platform for Easy Mortar Loading and Storage.

1.02 Application Equipment and Appurtenances

A. POWER PACK SPECIFICATIONS

- 1) 24 HP Diesel/Hydraulic Power Unit
- 2) Optional 49 HP Diesel/Hydraulic Power Unit
- 3) 15 gpm/2,000 psi Hydraulic Pump
- 4) Self-Contained with Fuel and Hydraulic Reservoirs

B. WATER SYSTEM SPECIFICATIONS

- 1) 200-gallon poly reservoir
- 2) Optional 50-gallon antimicrobial mix reservoir
- 3) Hydraulically driven, 3.9 GPM @ 45 psi water pump
- 4) 3,500 psi Hydraulically Driven Pressure Washer

C. MORTAR MIXER SPECIFICATIONS

- 1) 6.0 Cubic ft (45 gal) hopper, vertical shaft mixer
- 2) Hydraulic Powered, Variable Speed with Reverse
- 3) Manually Operated Slide Gate Discharge
- 4) Ergonomically Positioned, Lever Operated Control Center
- 5) Fill-Rite Water Meter and Bag Breaker

D. GROUT PUMP SPECIFICATIONS

- 1) Hydraulically Powered 3 Stage/Size 6 Open Throat Progressive Cavity
- 2) Reversible Infinite Flow Rate Control to 8 Gallons per Minute
- 3) 2.0 cubic ft (15 Gallon) Hopper with Aluminum Suction Housing
- 4) Bottom Mounted Hinged Cleanout Port

E. HIGH PRESSURE WATER

- 1) Hydraulically powered, 3,500 psi
- 2) 50 feet hose, and pistol grip lance

F. COMPRESSED AIR SPECIFICATIONS

- 1) VanAir Viper 80 Air Compressor
- 2) Electric Start 24.8 HP diesel driven rotary screw
- 3) Delivering 80 cfm at 100 psi

G. ACCESSORIES

- 1) Aluminum Hand application Spray Nozzle
- 2) Optional Pneumatically Driven Centrifugal Application Unit
- 3) Adjustable crane arm with electric retrieval winch
- 4) Two (2) twenty-five (25) foot sections of 1" reinforced mortar hose – with quick connect fittings.
- 5) Two (2) twenty-five (25) foot sections of 1/2" air supply hose – quick connect.
- 6) Two (2) twenty-five (25) foot sections of 3/8" air supply hose – quick connect
- 7) All gauges sealed and liquid filled units.
- 8) Modular in-line air filter/lubrication unit (for all air components).
- 9) Forward/reverse air control valve for robotic applicator.
- 10) Air controls – all air controls to be mounted for ease of operation.
- 11) Toolbox storage: One (1) 18" x 18" x 36" steel with locks.

END OF SPECIFICATION