EPOT™ Series

Datasheet

WINNER!
CN AWARDS 2020
EPOT
Best Product Innovation Category

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PELTITARVIKE

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Introduction

Imperial Thermal Engineering's Epot series is a quantum leap forward in the preparation of modern bituminous rubber compounds (hot-melt). This equipment has been developed in order to eradicate the use of propane gas on construction sites.

Epot Series

The EPot Series is an all-electric solution for melting bitumen rubber compounds, designed to replace gas-fired pots with a safer, cleaner, and more controlled system.

Available in 100L, 300L, and 500L capacities, EPot delivers fast heat-up times, precise temperature control, and improved on-site safety.

Key Benefits

- Eliminates gas and open flame risks
- Consistent, controlled heating (no overheating)
- Faster heat-up (approx. 45 minutes)
- Simplified site compliance requirements
- Reduced CO2 emissions vs LPG systems
- Lower labour requirements (no "pot man")
- Compact, mobile design with castors

Why Replace Gas Pots?

- Traditional gas systems create:
- Fire and flash risks
- Poor temperature control
- Overheating of compounds
- Operator burn hazards
- Increased site restrictions and downtime

EPot eliminates these risks with electric operation and automated control.

Functions

- Electrically heated (415V, 3-phase)
- RTD sensor-controlled temperature system
- Factory-set temperature (cannot be overridden)
- LED temperature display
- Touchscreen control panel
- Two-stage melting system
- Optional automatic agitator system
- Hibernation mode (energy saving overnight)
- Socket for use with Ebucket

Safety Features

- Zero flame / zero ignition risk
- Cool-touch insulated outer casing
- Waist-height loading (reduces splash-back risk)
- Bunded tank (no external drip tray required)
- Cannot overheat, even when empty
- Visual warning indicators during operation

Performance & Build

- Non-stick internal lining (prevents carbon build-up)
- Maintains compound quality during use
- Silent operation
- Heavy-duty steel frame with braked castors
- Lockable pouring spout

Applications

- Structural roofing
- Waterproofing systems
- Bitumen rubber compounds (hot melt only)

Not suitable for asphalt or tarmac

Service & Warranty

- 1-year manufacturer warranty
- Servicing required every 6 months or 1000 hours

Setup & Operation

- Plug-and-play system
- 20m power cable supplied
- 20m cable extensions available
- Simple start: plug in, power on, start melting!

Generator Recommendation

- EPot 100/300: 40kVA generator recommended
- EPot 500: 60kVA generator recommended

Mobility & Handling

- 4 castors (2 braked)
- Manoeuvrable by two operators
- Certified lifting points
- Crane/forklift compatible

Capacities

EPot 100 – 100 litres
EPot 300 – 300 litres
EPot 500 – 500 litres

Power Requirements

415V, 3-phase, 32A / 63A
5-pin connection (L1, L2, L3, Neutral, Earth)
Power consumption: up to 38kVA (60kW)

Dimensions

Model	Length	Width	Height
EPot 100	1730mm	660mm	1400mm
EPot 300	1970mm	980mm	1400–1620mm
EPot 500	2500mm	980mm	1400mm

Weight (unloaded)

Model	Weight
EPot 100	250 kg
EPot 300	500 kg
EPot 500	750 kg

Epot available in 3 sizes ranging from 100L, 300L and 500L versions



Melter rack prevents splashback to operatives and internal closed design prevents burns to operatives



Advanced control panel operates the Epot from start to finish!

