

AERCEL

Light Weight Concrete Machine



CC Technique Product Data Sheet

Edition:

Division: 7

Thermal & Protection

■ The Product

Equipment for the on-site production of AERCEL Lightweight concrete. It includes the following three basic components:

1) AC 300 (125[W]x180[L] x [H] 130 cm; 500 kg)

Aerator Twin Tank:

Aerates the foaming agent (in water solution) with compressed air to produce foam

To specified standards.

Features:

- Gauging of Foam Density Control. Innovation of Aercel not available by any other Manufacturer.
- All gauges and valves are one side of the machine; to allow one person to control all the equipment.
- Sieve in the inlet to avoid dirt getting in the tank.
- Gauged Liter/s of foam in the Aerator allows you to transfer the foam from the drum directly to the Aerator.

2) MIXER 1CBM (100[W]x265[L]x[H]205 cm; 750 kg):

The mixer is the machine in which the actual mixing process takes place; water, cement, and foam (from the aerator) are introduced and blended together to form a homogeneous mix, volume of the mix is 1 cubic meter. Features:

- Double feeding inlet for the cement
- Cement inlet is now pitched to facilitate labor work for loading the Cement.
- Water gauging is simplified to provide a steady volume during mix.
- Foam entry to the mixer is visible while feeding cement.
- Water flow into the mixer is now in three points that will help in cleaning the mixer after every mix.
- Water valve is now clear from all directions.
- Larger volume of 1 cubic meter per mix that give 30% more production capacity.

3) The AC 300 now provides a PUMP 410 L (105x165x[h] 135 cm; 350 kg):

Conveys the mix from the place of installation without damaging the cell structure.

Outlet is now 63 mm, it will make less foam in the pipe, and easier to move on the roof.

■ Instructions for Use



Once all the connections have been made and the AERATOR is full:

1- Find the density required from AERCEL; data sheet and take note of the water, cement mixing proportions.

2 - Start the Mixer

3 - Using the water valve, allow the needed quantity of water to enter the mixer.

4 - (In this order) add the corresponding weight of the cement to the water in the mixer.

5 - Open the foam outlet valve on the Aerator and close it when enough foam has entered the mixer to fill it completely.

6 - Turn on the Pump to start pumping the cellular concrete. Turn the pump off when the mixer has been emptied and begin with cleaning.

■ Uses

To produce lightweight insulation concrete with variable densities.

Code	Description	Color	Unit of sale
AR223001	AC 300 Aerator Twin, (300 Litersx2)	-	Piece
AR283001	Central 300 L Panel Board	-	Piece
AR232150	Pump 410L for Light Weight Concrete	-	Piece
AR215115	Mixer 1CBM for Light Weight Concrete	-	Piece