



WHAT'S IT?

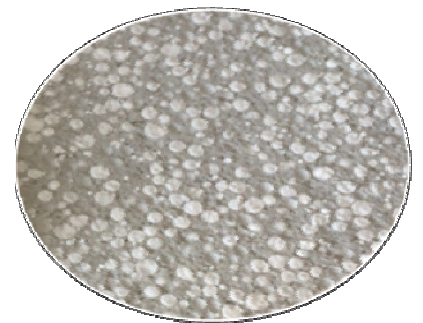
Complete plant for **LIGHTWEIGHT CONCRETE** production, designed with top quality components and based on the needs of construction site. The series **KOMPATTO Standard**, can mix and pump a maximum Density of **600 Kg/m³**.

WHAT MAKES?

FOAM CONCRETE
with max Density of **600 Kg/m³**
and
EPS LIGHTWEIGHT CONCRETE with max
Density of **600 Kg/m³**.

It differentiates from ordinary concrete because the inert, is replaced partially or totally by small air bubbles, that are artificially placed in the mixture or by the EPS beads of max 6 mm.

The amount of these small cells or beads, determines the characteristics of the material obtained, as lightness, insulation, mechanical strength, fire resistance, workability, etc ..



HOW IT WORKS?

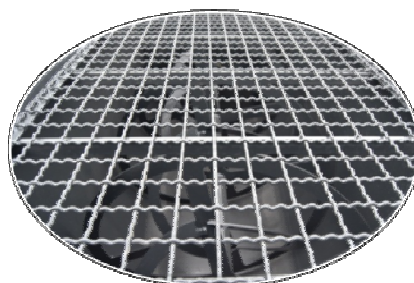
The raw materials water, cement and sand (if needed), are mixed into the mixer and at the end is added the quantity needed of foam or EPS, by the Foam Generator or by the EPS bags.

The ready product is pumped by the Mono-screw system and hoses.

The daily maintenance of the machine after work, is the cleaning with water using the "Cleaning Kit" supplied and the greasing of all the bearings.

The ordinary maintenance instead is the replacement of the stator of the Mono-screw pump and the "Spare part Kit" of the Foam Generator. The duration of these parts depends on how and how much the machine has been used.

HOW IS COMPOSED?



MIXER

- 1.000 lt of capacity
- Automatic Water Pump
- Double mixing direction
- Splash covers



ELECTRICAL PANEL

- Phase Inverter
- Contactors and Motors protections
- Timer for water



HOSES CONNECTION & FOAM SETTINGS



FOAM GENERATOR

- Air compressor with tank
- Foam Pump
- Flow meter for Foam density control
- Pressure regulator
- Nozzle



PUMPING SYSTEM

- Mono-screw System
- Clutch System for starting
 - Rotor / Stator
- Fast connection for replacement.

KOMPATTO Standard

The Inimitable "All in One" Plant for the Production of LightWeight Concrete

MADE IN ITALY

USED FOR?

Screeds, Roofs & Void Fillings, Road Sub-Bases, Bridge Abutments, Ground Stabilization, Precast Panels, Light Blocks, Slope Roofs.



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AVANTGARDE LIGHTWEIGHT CONCRETE

OPTIONAL FITTINGS

- **ANTI DUST DOORS:** to prevent entry of dust and water into electrical devices. As shown in pictures. Kompatto without "anti dust doors" is as shown in the picture below.
- **EWS:** Electronic Weighing System for an automatic and accurate production.
EWS controls the automatic loading of the raw materials from the screw conveyor and the water pump, increasing the production capacity until the 25%. It is composed by: Load cells, display for setting formulas, structure in steel.
- **DOSING PUMP:** for the automatic dosage of the Foaming Agent.
- **DIGITAL TIMER:** for the automatic loading of foam.
- **FOAM GENERATOR 500 lt/min (+ production capacity):** The Foam Generator is composed by a bigger Air Compressor and a Foam Pump with high pressure, to increase the foam capacity up to 500 lt/min. Increasing the total production capacity from 2 to 5 m³/hr. (Depends on the version).
- **MiV System:** to increase the production of 40 – 50 %. (Only Foam Concrete 400 kg/m³).

OPTIONAL ACCESSORIES

- **RUBBER HOSE Ø60 - mt 10.** Initial hose used for pumping. (Needed 1 piece)
- **PVC HOSE Ø60 - mt 15/pcs.** Intermediate hose extension for pumping.
- **PVC HOSE Ø60 - mt 20.** Final Hose with 1 fitting for pumping. (Needed 1 piece)
- **WIRED REMOTE CONTROL - 50 mt.** For starting and stopping the mono-screw pump at a distance.
- **ELECTRIC CABLE - mt 25.** To connect the machine to the main power of the Building Site.
- **WATER TANK – 1.000 lt.** For water storage.
- **GREASE GUN** for the Anti-drip seals of mixer and pump.
- **LEVELING BAR SET (1 mt / 1,5 mt / 2 mt)** for leveling of screeds.
- **FLAT RAKE (75 cm)** for leveling of screeds.

KOMPATTO Standard
without "anti dust doors"



Dosing Pump



PVC hoses



EWS display



OPTIONAL EQUIPMENT

➤ CTC

Screw conveyor designed to reduce dust and loading times of the cement bags into the mixer.

CTC is supplied in 2 versions:

- **CTC v1** with length of 2,5 mt (used with machine placed on the ground).
- **CTC v2** with length from 2,6 to 3,5 mt (used with machine placed on a trailer or truck).

Removable in two pieces for an easy transport.

Technical details:

Power: Kw 1,5 for CTC v1 – 2,2 Kw for CTC v2

Length: **CTC v1** = 2,5 mt – **CTC v2** from 2,6 mt to 3,5 mt.

Hopper capacity: 150 Kg

Weight: from 150 to 200 Kg



➤ CBS

Conveyor belt designed for loading sand into the mixer, to facilitate and reduce the loading times.

CBS is supplied in 2 versions:

- **CBS3** with length of 3 mt (used with machine placed on the ground).
- **CBS4** with length of 4mt (used with machine placed on a trailer or truck).

Foldable in two pieces for an easy transport.

Technical details:

Length: mt 3 or 4 (Foldable in 2 pieces).

Hopper capacity: kg 125

Power: Kw 1,5



➤ TRAILER

For the transport of KOMPATTO and all the accessories.



Versions		Standard M10	Standard M12	Standard M17
Max production capacity		10 m ³ /hr	12 m ³ /hr	17 m ³ /hr
Designed for		producing up to 10 m ³ /hr Screeds/ roofs	producing up to 12 m ³ /hr Screeds/ roofs	producing up to 17 m ³ /hr Screeds/ roofs
Other applications		Blocks / Panels Geotechnical	Blocks / Panels Geotechnical	Blocks / Panels Geotechnical
Dimensions		195x145x108 cm		
Weight		780 kg	800 kg	800 kg
Power		12 Kw	14 Kw	17 Kw
Foam production capacity		250 lt/min	250 lt/min	500 lt/min
Max pumping capacity		350 lt/min	500 lt/min	500 lt/min
Maximum Dry Density		600 kg/m ³	600 kg/m ³	600 kg/m ³
Max pumping distance	Vertical	45 mt	45 mt	45 mt
	Horizontal	90 mt	90 mt	90 mt
Optional fittings	Anti dust doors	Applicable		
	Ews	Applicable		
	Dosing Pump	Applicable		
	Digital Timer	Applicable		
	Foam Generator 500 lt/min	Applicable (+ 3 m ³ /hr) Total: 13 m ³ /hr	Applicable (+ 5 m ³ /hr) Total: 17 m ³ /hr	Included
	MiV	Applicable		
Optional Accessories		Applicable		
Optional Equipment		Applicable		

