

Self Levelling screed



Pumping technologies

S8CM

Cellular concrete and self-levelling



FONOMIX
is a traditional screed fluid to high planarity with excellent sound insulation properties.

La S8 CM can be easily towed



Technical data:

Electric engine screw pump	5,5 kW 400V 50 Hz
Electric compressor	1,5 kW 400V 50 Hz
Air Output	250 l/min
Water pump	0,75 kW 400V 50 Hz
Pump (foam generator)	0,75 kW 400V 50 Hz
Engine continuous mixing	3 kW 400V 50 Hz
Hopper capacity continuous mixing	60 l
Hopper capacity mixing and pumping	120 l
Loading height continuous mixer	1020 mm
* Weight	500 Kg
Total installed power	11,5 KW
Adjustable Axle	work position - road use position
Generator recommended	40KVA-32KW 400/230 V, 50 Hz - 1500 rpm soundproof

Cellular concrete

** Horizontal conveying distance	180 m
** Vertical conveying distance	60m
Maximum theoretic pressure	15 bar
Theoretic output screw pump	135 l/min
Maximum grain size	9 mm

Self-levelling screed (anhydride and cement based)

** Horizontal conveying distance	120 m
** Vertical conveying distance	40m
Maximum theoretic pressure	30 bar
Theoretic output screw pump	80 l/min
Maximum grain size	10 mm

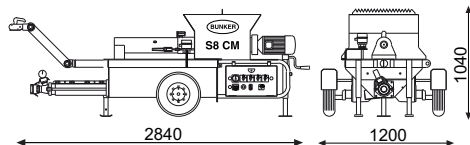
* Weight of machine without mixer shaft

** Depends on material, consistency and hose diameter



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S8 CM is the ideal machine for mixing and continuous pumping of **cellular concrete** and anhydride and cement-based **self-levelling floor screeds**.



Cellular concrete

Currently, normal mixers or spiral mixers are used for preparation of lightweight floor screeds. The pumping of the screed happens subsequently in a separate screw pump placed close to the mixer. With this system, the job cycle is discontinuous because it's necessary to pump all the material in the mixer and then wait around 6-7 minutes for another mix to be ready and pumped. In order to improve the job cycle, insure the homogeneity of the mixture in time, and avoid annoying blockages during pumping of the mixture, Bunker has designed and built the **S8 CM**, designed to mix and pump continuously:

- Lightweight screeds for thermal insulation floors
- Anhydride and cement-based self-levelling screeds

How the machine works:

The cement powder obtained in bags or from a silo is fed into the **hopper of the continuous mixer**. In the **mixing chamber** the following are introduced simultaneously:

- **The cement powder**, through the spiral metering placed in the hopper of the continuous mixer
- **The water** in the appropriate quantity, via an electric pump mounted on machine
- **The foam**, in the correct amount, through the foam generator mounted on the machine

The materials are then quickly mixed up until they reach the desired consistency and density. The mixture comes out from the mixing chamber and is discharged into the **mixing / pumping hopper**, where it is mixed again and pumped by the screw pump, through the rubber hoses, to point of installation.

For floor Screeding the above procedure guarantees...

- **Absence of segregation**
- **Correct consistency**
- **Absence of lumps**
- **Pumping process free of annoying blockages**

Compared to other machines presently on the market, **S8 CM** from Bunker ensures, apart from the **continuous work cycle**, the material receives a **double mix**:

First mixing takes place in the mixing chamber of the continuous mixer.

Second mixing takes place in the mixing and pumping hopper which contains a special mixer blade coupled to the screw pump. The second mixing avoids segregation of the mixture and blockages in the rubber hoses if / when pumping is stopped for short intervals or breaks.

Usually, in contract's specifications, it is recommended to use lightweight screeds with cellular concrete with a density of 400 kg/m³. With **S8 CM**, to define the correct density of screed, and then the insulating capacity, simply measure the amount of foam fed into the mixing chamber. By changing the foam-cement ratio, a variable density is obtained from 300 to 600 kg/m³.



With the specific transfer device the **S8 CM** can also be fed from a horizontal and vertical SILO.



Mixing chamber



Additive metering



Control panel



Regulation Water- Foam

Level sensor