

# F3.20 F3.17

# BREMAT



## FULLY AUTOMATED CONVENTIONAL FLOOR SCREED INSTALLATIONS

**Bremat** was in the year 2000, the first company to produce a fully automated mobile floor screed installation with a horizontal production system. Under the name BreMAT F-series, this line of fully automated conventional floor screed installations has been further developed and meanwhile several versions are available.

Over ten years after the introduction of the BreMAT F-series, the BreMAT **F3.17** was introduced. This compact floor screed installation is the most suitable mobile installation in countries where the maximum allowed Gross Combined Weight (GCW) is 40 tons.

### **Bremat F-series**

The fully automated conventional floor screed installations from BreMAT, offer the user a flexible and efficient solution for producing and delivering floor screed.

### **Constant high quality**

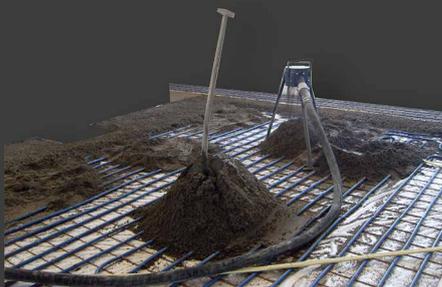
From separate material compartments, sand, cement, water and possible additives are automatically conveyed to the mixer vessel by means of a horizontal transport system. Here the materials are mixed and pumped by using air pressure. The basic materials are precisely weighed, which guarantees the right mortar configuration.

### **Efficient production**

Due to the self-reliant management of material transport, the purchase of bulk materials and the fully automated filling of the mixer vessel, a significant saving of material and labor costs can be realised.

### **labor-friendly**

Beside cost savings and a guaranteed high-quality mortar production, the installation takes care of a significant improvement of the working conditions.



Sand, cement, water and additives are fully automatically mixed and transported to the workplace.



The computer-controlled system is easy to operate from the advanced touchscreen display.



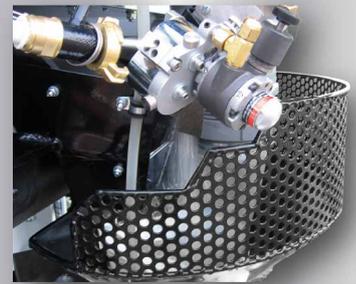
The 3-axle semitrailer complies to the most recent safety and quality standards and has a European Type Approval.



Machines from the BreMAT F-series can also be mounted on a truck chassis.



The installation can be controlled from the job site with the radiographic remote control.



Glass fibre, liquid, viscous and powder additives can all be measured and dosed automatically.

### F3.17 and F3.20

A few aspects of the F3.17 are different to the F3.20. Although both installations are equipped with a 6 m<sup>3</sup> cement compartment, the size of the sand compartment of the F3.17 has been reduced to a loading capacity of 17 m<sup>3</sup>. Due to this, the installation is a metre shorter than the F3.20, while it still has sufficient loading capacity for a substantial daily production.

The F3.17 is standard equipped with a single two-sided tool storage with drawer, while the F3.20 is equipped with a double two-sided tool storage with drawer. Due to this, the installation offers more space for the storage of tools, extra mortar hoses, a smoothing machine and extra hoses.

### Optimum handling

The trailer chassis is equipped with double rod controlled steering axles and an automatic lift axle. This guarantees optimum handling irrespective of the trailer load and allows the vehicle to be easily and safely manoeuvred to difficult to access building sites.

### Horizontal production system

The materials are automatically transported and dosed to the mixer vessel, by means of a conveyor belt and screw conveyor. The installation remains horizontal during the production of floor screed. This has many practical advantages. Installations from the BreMAT F-series can produce within buildings, underneath bridges and at narrow construction sites. They can even produce when placed on hills or slope surfaces. Because the installations do not need to be tipped to be able to produce, it is not necessary to extra stabilise the semitrailer with support beams.

### Ease of use

Installations from the BreMAT F-series have a very complete standard equipment with for example a mortar hose reel, a high-pressure cleaner, automatic heating of the material compartments and a lot of storage space. The installation is standard equipped with a liquid dosage system, an automatic glass fibre dosage system and 2 x 20 m mortar hose including discharge end. The computer controlled system can easily be operated from the advanced touchscreen control panel and can furthermore be controlled with a remote control.

### Certification and quality control

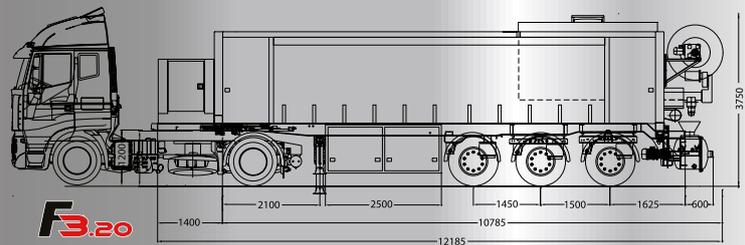
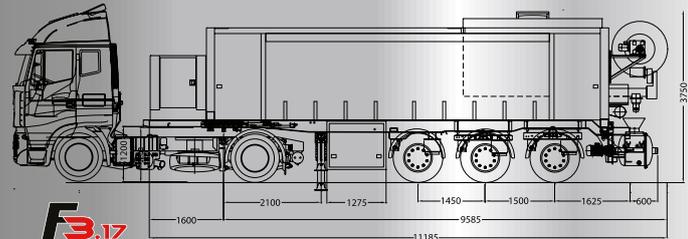
Machines from the F-series comply to the Machine Directives and have been inspected and approved by several Notified Bodies.

Technical specifications*1		
	F3.17	F3.20
Diesel engine	John Deere 4045 TFC 03- 4 cylinder	
Capacity	55 kW (74 hp) at 2.400 rpm	
Contents fuel tank	300 l	
Compressor	5.600 l/Min, 9 bar	
Generator	19 kVA, 15 kW, 3.000 rpm	
Pumping capacity floorscreed*2	Up to 6 m <sup>3</sup> /hour	
Mixer vessel	220 l	
Total length installation	11,19 m	12,19 m
Contents sand compartment	17,0 m <sup>3</sup>	20,0 m <sup>3</sup>
Contents cement compartment	6,0 m <sup>3</sup>	
Contents watertank	200 l	
Tare *3	12.000 kg	12.500 kg
Maximum king pin pressure	18.000 kg	
Maximum axle loads	27.000 kg (3 x 9 t)	
Sound level EU-RL 2000/14/EC	106 Lwa	

\*1 Subject to alteration

\*2 Depending on the used materials

\*3 Depending on equipment



### The expert in screedpumps

Bremat is specialised in the development and production of fully automated mobile mortar installations. There are worldwide hundreds of BreMAT installations that are being used on a daily basis for producing semidry and self levelling floor screed.

Furthermore BreMAT delivers customer specified solutions for the mixing and pumping of several types of mortar, including EPS insulation mortar, foam mortar and PUR-materials.



We are ready to help you with the best machines and optimal service!

# BREMAT

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