



FULLY AUTOMATED SELF LEVELLING FLOOR SCREED INSTALLATIONS

The **Bremat S-series** have been specially developed for the production of self levelling floor screed. The **S3.17T XL** has a 17 m³ additive compartment and a 13 m³ binder compartment.

The **Quattro** version of the BreMAT S3.17T XL is not only capable of producing anhydrite and cement bounded self levelling screeds, but also EPS insulation mortar and foam concrete. This installation is therefore suitable for the production of a variety of floor applications.

Bremat S-series

The BreMAT fully automatic self levelling floor screed installations provide a flexible and efficient solution for the production and pump application of a variety of liquid mortars.

Consistent high quality

The sand, binder, water and additives are stored in separate raw material compartments before being transported to the mixer by means of a horizontal transport system. The basic raw materials are accurately weighed during the process to ensure the production of the correct mortar composition.

A quick mixer then mixes the various raw materials into a high-quality self levelling screed. A supply mixer has been installed below the quick mixer. The supply mixer is equipped with a worm pump which pumps the liquid mortar to the place of work.

Efficient production

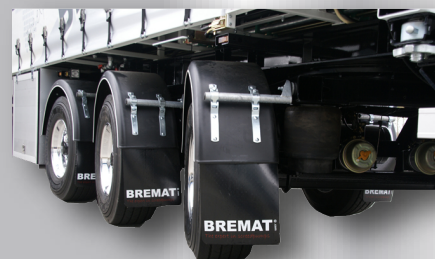
The independent transport of materials, the purchase of basic raw materials in bulk and the fully automatic supply to the mixer, all contribute to considerable savings in material and labour costs. The S-series also provides a noticeable improvement in working conditions.



Precise material dosage allows the production of homogeneous and high-quality self levelling floor screeds.



The computer controlled system is equipped with an advanced touchscreen display and is easy to operate.



The triple axle trailer chassis complies with the most recent safety and quality requirements and carries a European Type Approval.



The BreMAT S3.17T XL Quattro can also be used for the production of a high-quality viscous EPS mortar.



The Quattro version of the S3.17T XL has a foam-generator that can produce foam and inject it into the liquid mortar for producing foam mortar.



Because of the horizontal production system, the installation can be reloaded during the production process

EPS insulation mortar

The fully automatic production of viscous EPS insulation floors from 250 kg/m^3 to 500 kg/m^3 . The supply mixer mixes the cement, water and EPS granules. The necessary additives are added to the mixture automatically. Self levelling EPS insulation mortar is quick and easy to process, which makes it an effective and efficient method for providing high quality filling layers with insulating properties.

Foam mortar

Foam mortar can be produced in various volumetric masses, ranging from approximately 400 to 1.600 kg/m^3 . Foam mortar is often used for creating lightweight filling layers. Because of the broad range in volumetric masses, foam mortar has a variety of applications. The Quattro version of the S3.17T XL is equipped with a storage compartment with a sliding drawer containing a foam generator for the production of foam mortar. The produced foam mortar is injected in the basic material when it is being pumped to the workplace by means of a worm pump. The fully automated production guarantees the constant quality of foam mortar according to the desired recipe.

Horizontal production system

The materials are automatically transported and dosed by means of a conveyor belt and screw conveyors. The installation remains horizontal during the production of mortar. This has many practical advantages. Installations from the BreMAT S-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.

Certification and quality control

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

Technical specifications *1

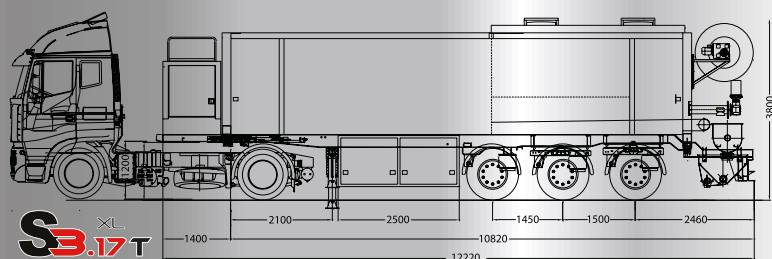
Diesel engine	John Deere 4045 TFC 03 - 4 cylinder
Capacity	55 kW (74 ps) at 2.400 rpm
Contents fuel tank	490 l
Compressor	400 l/min, 9 bar
Generator	19 kVA, 15 kW, 3.000 rpm
Pump capacity self levelling *2	Up to $12,5 \text{ m}^3/\text{hour}$
Pump capacity foam mortar *2 *3	Up to $35 \text{ m}^3/\text{hour}$
Pump capacity EPS mortar *2	Up to $15 \text{ m}^3/\text{hour}$
Quick mixer	400 l
Supply mixer	800 l
Contents aggregate compartment	$17,0 \text{ m}^3$
Contents binder compartment	$13,0 \text{ m}^3$
Contents water tank	1.300 l
Tare *4	13.500 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 Only in Quattro version

*4 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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