



FULLY AUTOMATED SELF LEVELLING MORTAR INSTALLATIONS

The **Bremat** S-series have been especially developed for the production of anhydrite and cement bounded self levelling floor screed.

Both transport and storage capacity play an important part in the efficiency of the installation. The challenge lies in realising both objectives, without having to compromise in the manoeuvrability of the installation.

Especially for markets such as the Netherlands and Scandinavia, where a maximum combined weight of 50 tons or more is permitted, the Bremat **S3.20 XLS** gives the perfect interpretation to all these aspects.



The precise material dosage guarantees the production of a homogenous and high-quality self levelling floor screed.

Bremat S-series

The Bremat fully automatic self levelling mortar 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 transported from the separate raw material compartments 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 floor screed. A supply mixer has been installed below the quick mixer. The supply mixer is equipped with a worm pump which pumps the 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.



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



For a perfect turning radius and optimal weight distribution, the widespread semitrailer chassis consists of three 10-ton axles, including two steering axles.



Because the mixers on the backside of the installation are easily accessible, the installation is easy to clean.



Due to the horizontal production system, the installation can be reloaded with sand and binder during the production process.



The installation is suitable to be refilled with premixed mortar, particularly when the special filling hopper is being used.

Unequalled capacity

The basis of the Bremat S3.20 XLS consists of a filling container with a contents of no less than 20m³ of sand and 15m³ of binder, which is separately stored. Binder can be loaded through two manholes in the roof of the compartment, or blown in with the pneumatic filling system.

The large loading and storage volume of raw materials asks for an adapted semitrailer chassis. To ensure optimal weight distribution and good manoeuvrability, the trailer chassis is made up from a widespread axle configuration with three 10-ton BPW axles. When a lot of binder and a low quantity of sand is being loaded, the widespread chassis ensures that there is not too much pressure on one individual axle, but that the axle pressure is being distributed more evenly. The shorter wheelbase and adapted steering characteristics ensure that the installation can be used at difficult to access jobsites.

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.

Ease of use

Installations from the Bremat S-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 Bremat S3.20 XLS has two watertanks of each 1.000 litres in stead of the 750 litres watertanks that most Bremat self levelling installations are equipped with. 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 S-series comply to the Machine Directives and have been inspected and approved by several Notified Bodies.

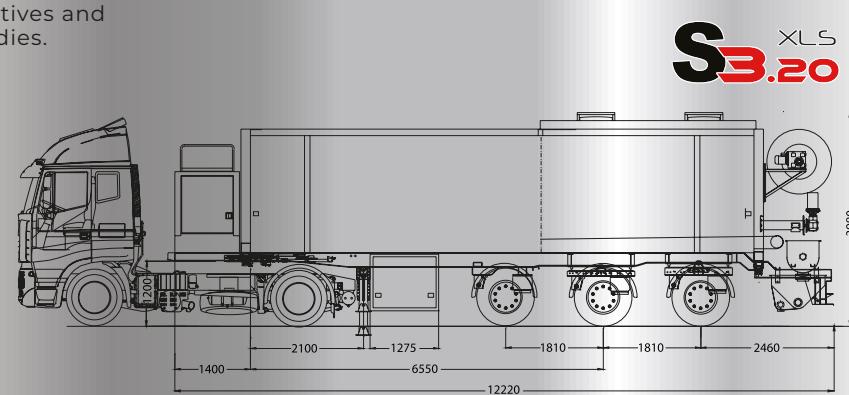
Technical specifications *1

Diesel engine	John Deere 4045 TFC 03 - 4 cylinder
Capacity	55 kW (74 ps) at 2.400 rpm
Contents fuel tank	300 liter
Compressor	400 l/min, 9 bar
Generator	19 kVA, 15 kW, 3.000 rpm
Pump capacity self levelling mortar *2	Up to 12,5 m ³ /hour
Quick mixer	400 liter
Supply mixer	800 liter
Contents aggregate compartment	20,0 m ³ sand
Contents binder compartment	15,0 m ³ binder
Contents water tank	2.000 liter
Tare *3	14.500 kg
Maximum king pin pressure	18.000 kg
Maximum axle loads	30.000 kg (3 x 10 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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