

# M300+FC300

The revolutionary solution  
for flooring systems!



**m-tec**<sup>®</sup>  
Technology for better building

# The revolutionary solution for flooring systems!

With its revolutionary technology, the M300 marks the start of a new generation of mixing pumps. Pumps have long been used as dosers and mixers too, but the M300 can finally concentrate on its core function: pumping. The “trick” with this new technology is our patented mixing principle, which allows the material to be blended perfectly and also ensures permanent consistency of the material.

Thanks to this special mixing principle, the M300 is also ideally suited to producing cement self-levelling floor screeds or concrete sludge. As a result, the M300, combined with the FC300 foamer, is the ideal solution for flooring systems based on porous concrete and self-levelling floor screed.

The innovation of this ingenious and patented solution is the position of the foamer. This is fixed directly onto the appropriate level ensuring that the foam retains its excellent characteristics until use.

The clear layout of the controls and the conscious avoidance of superfluous switches make for very easy operation for the user. By accessing the different production parameters, it is also possible to adjust the M300 + FC300 system quickly to the different types of cement and additives. This means the cement dosing and desired quality can be set very simply.

The large wheels mounted on both systems mean that they can be transported easily. The M300 and FC300 can also be moved about the building site with ease using a crane. If there is no crane available, both machines can be dismantled into light components in just a few simple steps. As some types of additives accelerate corrosion, the frame elements of the foamer are made of stainless steel. This guarantees the best possible protection against corrosion.

The M300 can be filled with sack and silo goods for the production of sludge and for the production of self-levelling floor screed.





## > M300+FC300: Advantages



### EasyClean

The use of PU components facilitates simple cleaning and less caking than with comparable metal components. The use of stainless steel in the FC300 always guarantees rapid and thorough cleaning.



### EasyWork

The perfect interplay between the M300 and the FC300 facilitates, after one-off setting of the basic parameters, fast processing of the requirement materials.



### EasyMix

Our patented mixing system facilitates extremely high mixing quality. In combination with the large mixing volume, the system guarantees the best possible mixing for both the cement sludge for the porous concrete and for the self-levelling floor screed.



### EasyUse

Simple handling of the M300 and FC300 is guaranteed by the clear layout of controls, the large wheels and the ease of separation of the two units.



### EasyLife

A combination of PU components and our patented mixing system increases the service life of the pump in comparison with other systems.





# The revolutionary solutions for flooring systems!

## > M300 + FC300: Facts

### Usage and Applications

- Porous concrete for light floor screed
- Self-levelling floor screed based on cement
- Self-levelling floor screed based on anhydrite

### Scope of delivery

#### Mixing pump M300

- Mixing pump with funnel incl. protective grille, transport and dosing screw, PU mixing chamber with standard mixing shafts, eccentric spiral pump Unistar 2, control system, water pump NT70, water fitting
- Mortar tube DN35, 2 x 13.3 m
- Connecting cable 5 x 4 mm
- Control cable (50 m)
- Water hose from the tank to the M300

#### Foamer FC300

- Foamer compl. on frame with wheels, with air compressor 400V, water fitting, system for additive dosing, foamer, static mixing with fast couplings
- Connecting cable to the M300
- Control cable
- Conveying tubes in PU DN 40 (2 x 25 m) with couplings

You can get more details from your sales contact or authorised dealer.

### Recommended accessories

Feeder cap with vibration control for material in the silo, digital flow meter, water tank 100 l

## > Our patented mixing system:

The M300 can process all standard dry mortar products up to grain size of four millimetres. The technical highlight of the M300 is the material feeding from the doser into the mixing area: the water is not sprayed onto the material like before, but the material is dosed according to a patented mixing principle, fed into a water bath and mixed.

The result: even finer mixed materials and full impact of the additives. This all guarantees top-class processing of the materials.



Technical data:	
Output porous concrete:	10 to 14 m <sup>3</sup> /h
Conveying height: (thin cement from the M300)	up to 100 m
Conveying width: (porous concrete horizontal)	up to 60 m
Output self-levelling floor screed: (with pump Unistar 2):	approx. 53 l/min
Conveying height	up to 40 m
Conveying width of the levelling mortar: (horizontal)	up to 60 m
Drive motors:	
conveying area:	2.2 kW, 400V 50 Hz
Mixing pump area:	4.0 kW, 400V, 50 Hz
Water pump M300	0.55 kW, approx. 60 l/min, 8 bar
Fuse:	25 A
Compressor foamer:	1.5 kW, approx. 280 l/min, 8 bar
Water pump foamer:	0.3 kW, approx. 40 l/min, 4 bar