

EMP

The evolution of the
silo mixing pump!



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When used in combination with the m-tec silo, silo mixing pump EMP enables dry mortars to be processed in a rational way. In addition to offering optimum blending and long conveying distances, the EMP is mainly notable for its easy handling and the dramatically reduced cleaning effort required.

The EMP has the m-tec specific patented mixing system. This new technology guarantees the excellent blending of the material and ensures permanent consistency in the mixing container. As an option, the EMP silo mixing pump can be fitted with a continuous output control by means of a frequency converter (FU).

In addition to processing, the EMP also shows its uniqueness in its cleaning and maintenance features. The use of PU components in the mixing container reduces the effort required for cleaning purposes. In addition, these modern materials increase service life and eliminate any chance of corrosion.

Particular attention was also paid to the suitability of the EMP for use on building sites: The frost-proof water fittings mean that expensive repairs after sudden cold spells are a thing of the past and the fully galvanized mounting of the mixing area means that there is no chance of corrosion.

The EMP silo mixing pump is available in versions for processing plaster or flooring compounds. For small volumes the EMP can also be fed with bagged material.

As is typical of all m-tec systems, the EMP has easy and quick to use tensioning wedges, or swiveling devices that enable important elements such as the worm pump to be replaced in just a few seconds.



> EMP: added benefits



EasyClean

The use of PU components makes cleaning easier and means less caking than with similar metal components. The result: quick, residue-free cleaning.



EasyWork

Our intelligent machine technology allows you to work without interruption and without thick/thin variations. The separation of dry and wet areas enables a permanent constant ratio of dry material to water to be achieved.



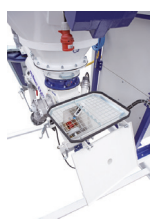
EasyMix

Our patented mixing system enables an extremely good mixing quality. In conjunction with the large mixing volume, the system guarantees the best possible mortar products.



EasyUse

The combination of extremely simple operation by means of flow diagrams and separate control and device cabinets make the EMP very easy to handle.



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> EMP: facts

Areas of use and applications

All pumpable dry mortars, such as

- Gypsum plasters
- Lime gypsum plasters
- Cement plasters
- Lime plasters
- Lime cement plasters
- Bricklaying mortar
- Insulating plasters
- Finishing plasters
- Reinforcing mortar and adhesive mortar
- Adhesives
- Upgraded products

Scope of delivery*

Silo mixing pump incl. compressor with automatic cut-off and water pump, rotor/ stator, spray gun

* Details differ depending on the product version and no responsibility is taken for the correctness of this information. For further information please contact your local sales representative or authorized dealer.

Recommended accessories

Rotors / stators, mortar hoses, adhesive gun, fine plaster spray gun, silo, silo placing unit, adhesive gun

> Our patented mixing principle::

The EMP can process all standard dry mortar products up to a granularity of 4 mm. The technical highlight of the EMP is the transfer of material from the dosing area to the mixing area: the water is no longer sprayed onto the material as in the past, but instead the material is dosed according to a patented mixing principle, scattered into a tank of water and mixed.



The result: the construction materials are blended even more finely and the aggregates take full effect. This all guarantees the top-class processing of the materials.



| Specifications | |
|------------------------------|--|
| Standard delivery volume: | approx. 13 - 47 l/min (depending on worm pump) |
| Conveying distance:* | up to 80 m |
| Conveying height:* | up to 30 m |
| Conveying pressure:* | up to 40 bar |
| Drive motors | |
| Conveying area: | 3,0 kW / 4,0 kW, 400 V, 50 Hz (depending on the version) |
| Mixing-pump area: | 7,5 kW, 400V, 50 Hz |
| Cellular wheel motor: | 0,75 kW, 400V, 50 Hz |
| Compressed air supply: | 0,9 kW, approx. 250 l/min, 4 bar |
| Water pump: | 0,75 kW, approx. 60 l/min, 8 bar |
| Electrical connection: | 400 V, 50 Hz, 3 ph |
| Fuse: | 35 A |
| Connecting cable: | 5 x 4,0 mm ² |
| Connector: | 32 A, 5p, 6h |
| Water supply: | 3/4" water hose with GEKA coupling |
| Dimensions: | approx. 2200 x 850 x 1800 mm |
| Weight: | 360 kg |
| Required silo outlet height: | DN 250 / approx. 1300 mm |

* Depending on consistency, quality and composition of the material, pump model - and condition, diameter and length of the delivery hose and also the pumping height of the material.