

Mixing Technology for Factory-Produced Dry Mortar



▪ Plasters

- interior plaster
- facing plaster
- heat-insulating plaster
- redevelopment plaster
- lightweight plaster
- fireproof plaster
- dehumidifying plaster

▪ Brick mortars

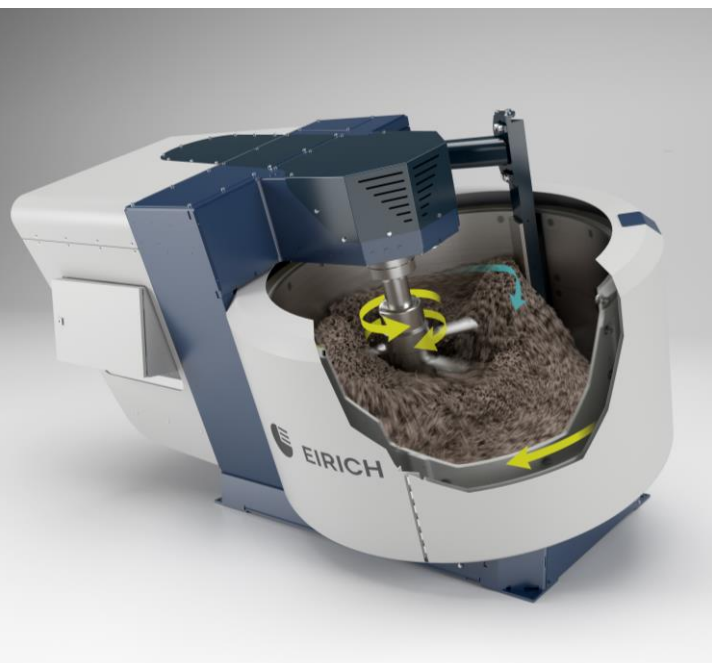
- high-density mortar
- thin-layer mortar
- lightweight mortar
- face mortar

▪ Screeds

- cement screed
- anhydrite screed

▪ Special mortars

- adhesive mortar
- repair mortar
- redevelopment mortar
- sealing mortar
- filler mortar



The unique working principle

Rotating mixing pan

for material transport

Variable-speed mixing tool,

slow to fast

for mixing

Separation between material transport and the mixing process

This allows the speed of the mixing tool (and thus the power input into the mix) to be varied within wide limits.

This working principle offers the following options:

- The mixing tool can be run variably, at low or high speed
- The input of power into the mix can thus be controlled specifically
- High tool speeds allow
 - fibers to be disintegrated optimally
 - pigments to be ground perfectly and mixed-in streak-free
 - very small amounts of additives to be mixed-in optimally
- Medium tool speeds allow high-quality mixtures to be produced
- Low tool speeds allow lightweight aggregates to be mixed-in gently

Advantages compared to horizontal mixers:

- Completely different mixing principle: No problems regarding axial mixing, no demixing effect on long mixing times
- The mixer efficiency is independent from the arrangement of the component feeding units

- Finest materials / pigments can be mixed even in smallest quantities (up to ppm values) without using cutter heads
- Liquids (e.g. dust binders) are added without atomizing and mixed in very quickly

Further advantages:

- The mixers can optionally be supplied with a proven automatic pneumatic interior cleaning system
- Mixing processes / mixing speeds can be adjusted to the respective formula

Eirich customers report their experience:

- The mixing result / the mixing quality remain unchanged even if only partial quantities are mixed, down to 30 % of the nominal capacity
- Clearly less wear compared with cylindrical mixers
- The dust binder consumption is reduced by up to 50 % (better distribution)

Top-name manufacturers around the world work with Eirich mixing technology.

We would be glad to provide references on request. Eirich is a research partner for universities.

Put us to the test. We would be glad to tell you more.