

Production plant of dry mortar mixtures - PS 01, 02, 03, 04, 05, 06

Client: KM BETA, a.s., Hodonín

Realization: February-August 2010

Z 5175



under construction



final state

Evaluation of the order importance:

In 2010 DSD – Dostál, a. s. realized the main portion of supplies of machinery for a technological complex producing dry mortar mixtures.

Supplies were determined for the important supplier and producer of building systems KM Beta, a. s. The value of equipment supplied was in total EUR 500.000.- (CZK 12 mil.).

Customer's requirement

Supplies of equipment were used for completion of all 6 operating units which the technological complex consisted of:

- unit 01 – Receipt, drying, transport, storage of sand
- unit 02 – Sorting, storage and dosing of sand
- unit 03 – Receipt, transport, storage and dosing of bonds
- unit 04 – Receipt, transport, storage and dosing of admixtures
- unit 05 – Mixing of components and product transport to the dispatch
- unit 06 – Dispatching bins of mortar mixtures

Task, final formulation of the design

Manufacture of equipment incl. manufacturing documentation of non-standards, covering documentation, technical assistance and coordination of assembly work, training of employees and participation in commissioning were agreed and realized.



Description of the final design discussed and approved by the customer

Types of equipment supplied:

- 10 pcs tube screw conveyors \varnothing 400, 3 946 mm to 7 780 mm long
- 44 pcs hand slide gates or with a chain wheel of sizes 160, 200, 300, 400
- 7 pcs Y-shaped flaps size 320 and 400 with a pneumatic drive
- 4 pcs rotary feeders size 160x160 with an electric motor
- 8 pcs segmented closures size 200 and 300 with a pneumatic drive
- 16 pcs bins \varnothing 800, 8 109 mm high for majority admixtures incl. accessories
- 8 pcs bins \varnothing 900, 5 045 mm high for minority admixtures incl. accessories
- 3 pcs weighing vessels \varnothing 1 950 for sand, bonds and pearlite
- 2 pcs agitating vessels \varnothing 500 for admixtures from dosing machines
- 3 pcs mobile debig-bagging machine
- 3 pcs mobile fume chamber
- discharging hopper under the agitating machine
- separating T-pieces
- butterfly and safety flaps
- aeration of bin cones
- filling and gravity piping incl. anchoring
- transition pieces

