

## GEROLDINGER - Bulk goods specialist successfully completes urea fine dosing project!

Since with regard to the numbers required, chipboard panels are amongst the most important products in the timber industry and FunderMax, also sets great store by high-quality manufacture. To guarantee this, FunderMax engaged Geroldinger, the Upper Austrian bulk goods specialist.

When it comes to storing difficult bulk goods, building materials manufacturers like FunderMax do well to come to GEROLDINGER because for its chipboard production FunderMax requires not only flame retardant but also urea, which is extremely difficult to store.

Since urea is a very hygroscopic bulk good that may form hard crusts because of its capacity to absorb water, it is normally kept in Big Bags or open in warehouses. Because of possible clumping and crust formation, storage in silos is seen as very risky.

“The challenge with this project consisted of controlling the dosing from a large volume of urea down to a very small volume in order to optimally supply the subsequent process,” is how Managing Director Walter Geroldinger describes the main task.



GEROLDINGER set itself this challenge and for the storage of 60 tonnes of urea (about 2 silo trucks) it created a space-saving, environmentally-friendly solution with an octagonal Multigon silo (65 m<sup>3</sup>). This special silo facilitates easier crust breakup thanks to its flexible walls and with the aid of the tried and tested “Oszillomat” system it permits an even discharge of the urea.

To avoid variations in volume and to guarantee constant bulk goods delivery for inclusion in the customer’s process, dosing screw conveyors were installed to ensure the required urea micro-dosage.

With its flawless storage and materials flow design of the flame retardant, which is also required, GEROLDINGER ensured the successful completion of this major project and was able to hand over a turnkey plant.