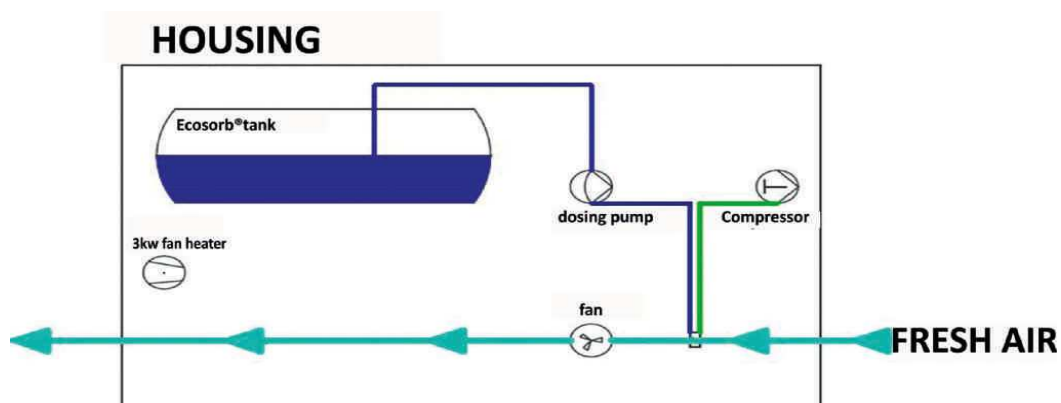


THANKS TO VPS AND ECOSORB®: Good bye odour nuisance!

At Wollsdorf leather, quality has a long tradition. Brands of distinction swear by Wollsdorf products. Concerning odour control the future has already begun in the tannery in the Styrian Unterfladnitz. Thanks to VPS systems and Ecosorb®, unpleasant odours vanish into thin air!



Wollsdorf Leder is one of the best-known tanneries in Europe and quality is a top priority of the company. Customers like Audi, BMW, Air Berlin, Deutsche Bahn and many more swear by the professionalism of the Austrian company. Here attention is paid to every detail, not only in the choice of raw materials, but also in dealing with employees and neighbors. In 2015 immediate neighbors complained about odour nuisance. There was an unpleasant, biting smell in the air. Wollsdorf leather was in the crossroads of criticism first and the company immediately acted sparing neither expense nor effort to get the problem sustainably under control. With the solution of the odour problems, a company was commissioned believing to be able to be up to the job: Two high-tech HPS plants with UV irradiation were installed, and the areas to be treated were sprayed with about 100 nozzles. The result: Wet soils, clogged nozzles, frozen pipes, leakages at various parts of the ma-

chine - but no success in neutralizing the malodours! The frustration of the management was understandably great! The information on the unsuccessful attempt to neutralize odours also reached the ACAT environmental department and we contacted the company Wollsdorf. Quickly there was a personal meeting, but the skepticism was great. After three hours of intense discussion and numerous questions and answers, the company site was visited. It quickly became clear that in this case the HPS plant was not an optimal solution. The disadvantages of such a system were obvious: Enormous water consumption, wet soils, operation in winter not possible, constant service of the nozzles.

Advantages of the VPS system in combination with Ecosorb®

As an alternative, ACAT offered a VPS system. The offer was approved and the first VPS sys-

THANKS TO VPS AND ECOSORB®: Good bye odour nuisance!

tem was built for testing purposes and leased to the company Wollsdorf.

The advantage of this system is that the odour inhibitor Ecosorb® is decomposed into minute particles and then sprayed via a pipeline into the ambient air. The odour molecules are attracted and captured by the electrostatic force of the Ecosorb® molecules. Ecosorb® acts immediately when it comes into contact with the odour molecules and it neutralizes them completely by an acid / base reaction. What remains is the naturally fresh air.

We have succeeded! No more ammonia smell!

The test area was a hall where the ammonia smell was very intense. First, it was tested with a four percent solution (Ecosorb® 606). It quickly became clear that this concentration was too high. A two-percent solution was sufficient, and Wollsdorf could also save money. For ten minutes Ecosorb® was „sprayed“ in a half-hour cycle. After a six-month test phase, it was clear: IT WORKS! The employees noticed a marked improvement. The neighbors also, but as there are still other problem

areas, the odour problem had not yet been solved completely.

Two other halls are „odour treated“

As the first VPS system has been successfully in operation for one year, at the beginning of 2017 another meeting was held between ACAT and Wollsdorf. Two other halls were selected for the performance of tests: the „Rothauhalle“ and the „Äscherei“. The odour sources and the odour intensity were the same or even more intense than in the first hall treated. We did not hesitate and worked out a plan resulting in the construction of two more VPS systems.



acat.com