



## Is your chrome tanning system worth its salt?

Chrome tanning creates all sorts of challenges. It pumps salt into your effluent, which produces high levels of TDS and renders it unsuitable for human consumption and treated soil unsuitable for cultivation. In addition, it costs your tannery precious processing time, chrome, and water. The Busperse<sup>®</sup> Chrome Tanning System from Buckman puts an end to these worries and also removes the need for the basification stage. By reducing salt and acid, the Busperse system from Buckman streamlines tanning while also significantly reducing Total Dissolved Solids (TDS) in your effluent. Improved waste water along with big savings of time, chrome powder and water can make wet blue processing more sustainable and a lot more profitable. Best of all, the Busperse Chrome Tanning System can dramatically improve the fullness, tightness and overall quality of your wet blue.

## Fewer total dissolved solids. More chrome tanning performance.

### **Reduce tanning liquor TDS by 65%.**

By eliminating the pickling stage, the special complexing system of Buckman's Busperse system reduces Total Dissolved Solids from the chrome tanning float by approximately 65%, at the recommended float level of 60%.

### **Reduce chrome use by up to 25%.**

Trials have indicated that, when compared with a conventional tanning system, absorption and fixation of chrome is significantly better with the Busperse Chrome Tanning System. These benefits not only allow tanners to reduce the dosage of basic chromium sulfate, but also lead to a reduction in chrome content in the effluent. In fact, the  $\text{Cr}_2\text{O}_3$  content in hides processed to wet blue with Busperse can be significantly higher than in conventionally tanned wet blue hides.

### **Increase strength by up to 8%.**

Compared with conventional tanning, our Busperse program can improve bursting strength, tensile strength and elongation-at-break properties by approximately 6-8%.

### **Reduce process time by up to 35%.**

Without time-consuming pickling and basification, our Busperse program can significantly reduce process time, which saves money and boosts productivity.

### **Reduce water consumption by up to 50%.**

A shorter processing time and a lower float level mean only half the water is needed.

### **Reduce risks.**

Because the Busperse Chrome Tanning System eliminates basification, it also minimizes the associated risks, including chrome patches, age-induced pH increases and chrome precipitation. In addition, the system does not employ any strong acids in processing, eliminating the typical handling risks associated with high concentrations of inorganic acids.

### **High quality for a wide variety of hides and finished products.**

You can rely on the Busperse Chrome Tanning System to process goat, sheep, cow calf, buff calf, and lime-split cow hides. Whether you make leather for shoes, garments, upholstery or other leather goods, you will find that the Busperse system helps improve fullness, roundness, body, tightness, and strength.



Proven in the tannery.



## *“Fully satisfies our needs”*

*While our leathers are generally regarded as a benchmark in the industry, our intention is always to continuously improve quality, maintain consistency and produce leathers with social responsibility. Recently, we tried numerous approaches to achieve improvement in fullness and tightness in the bellies and shanks of the wet blues, but none yielded the desired result.*

*Then Buckman introduced us to their novel tanning system.*

*Not only does it improve fullness and tightness, it also eliminates the use of common salt, inorganic acids and basifying agents. In addition, we use less basic chromium powder and have experienced a reduction in water and time. All these efforts resulted in a 50% reduction of Total Dissolved Solids (TDS) from the chrome tanning float. This system also helps increase the uptake of chrome by the pelts, thus, despite a reduced dose, chrome content in the wet blues is greater. This increased uptake of chrome by pelts also assisted in reducing the chrome content in effluent.*

*We're pleased to report Buckman's system fully satisfies our needs for increased quality, efficiency and sustainability, and strongly believe that innovations like this one from Buckman will advance the leather industry.*

*Managing Director*



## Learn more.

For more information about how the Busperse Chrome Tanning System can help you streamline chrome tanning and improve quality while reducing TDS worries, contact your Buckman representative. Or visit [buckman.com](http://buckman.com).







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