WATERLESS CHROME TANNING
Redefining the Chrome Tanning

Chrome Tanning

No Water

No Waste Water

CSIR-Central Leather Research Institute
Technology Outline and Benefits

- Complete elimination of water input for chrome tanning
- No discharge of wastewater from chrome tanning
- Total elimination of pickling and basification
- Comparable shrinkage temperature to that of conventionally tanned leathers
- High chrome content in leather
- Quality of the leather is comparable to conventionally processed chrome tanned leathers

Cost savings due to
- Reduction in BCS offer by 1 to 2%
- Reduction in water usage
- Reduction in wastewater volume
- Elimination of chrome recovery

Enhanced productivity due to the elimination of intermediate unit processes like pickling and basification

Simple process and does not demand additional infrastructure or new chemical

Suitable for both Hides and Skins
Frequently Asked Questions

- Is this technology easy to practice? Yes
- Is there any operational cost required for this technology? No
- Is there any cost savings by using this technology? Yes
- Is this technology suitable for all kinds of skins and hides? Yes
- Is this technology suitable for imported and dried skins? Yes
- Whether the wet blue from this technology require rechroming? No
- Whether the wet blue from this technology can be stored for 3 or 6 months? Yes
- Is there any shrinkage or loss in area of wet blue? No
- Will there be any penetration issue in thick/heavy hides? No
- Does this technology require Cr recovery plant? No
- Does this technology generates Cr sludge? No

Validation for Imported Hides

French Cow Hides

Ethiopian Cow Hides