

WATERLESS CHROME TANNING

Redefining the Chrome Tanning

Chrome Tanning



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

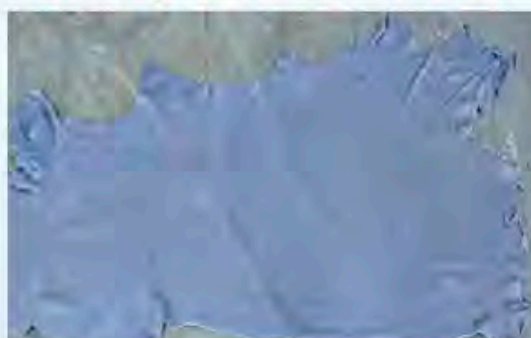
- Is this technology easy to practice? **Yes**
- Is there any operational cost required for this technology? **No**
- Is there any cost savings by using this technology? **Yes**
- Is this technology suitable for all kinds of skins and hides? **Yes**
- Is this technology suitable for imported and dried 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**

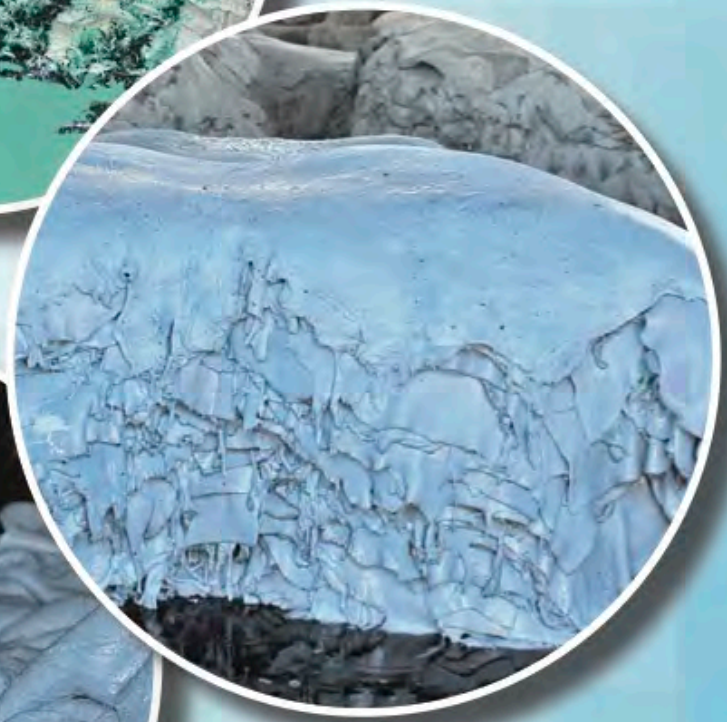
Validation for Imported Hides

French Cow Hides



Ethiopian Cow Hides





Contact

Director

Central Leather Research Institute

(Council of Scientific & Industrial Research)

Adyar, Chennai 600 020, India.

Phone: 044-24910897 / 24910846, Fax: +91-44-24912150,

E-mail: directorclri@gmail.com; director@clri.res.in

www.clri.org