



Ecological Leather Care

VEGETABLE TANNING OF
LEATHER WITH BIODEA
WOOD DISTILLATE WITH
HIGH TANNIN AND
POLYPHENOL CONTENT

The tanning industry requires large quantities of water, energy and at the same time it generates large quantities of toxic and harmful waste. Only in Italy, 47 million tons / year of chemical products are consumed in the tanning industry.

The effluents produced by tanneries, if are not properly treated, can cause serious damage to the health of citizens, soil and water.

We are studying the possibility of tanning handmade leather with BioDea wood distillate, produced in countercurrent of steam in a pyro-gasification reactor. It is a vegetable extract obtained from virgin woody biomass with **high polyphenol and tannin content** that is very suitable for vegetable tanning of handmade leathers.

A valid alternative to industrial tanning is vegetable tanning; a production process applied to handmade leathers that expert tanners have been handing down for over 200 years. Vegetable tanning is disappearing more and more in Europe, with the exception of Italy, where especially in Tuscany, consortium are still excellences in the use of this particular eco-compatible technique.

BIODEA – RM GROUP ENERGY SOLUTIONS

Via delle Case Rosse 16, Civitella in Val di Chiana 52041 Arezzo (AR) info@rmimpiantisrl.it
www.rmimpiantisrl.it www.cryosgasunit.com www.biodea.bio