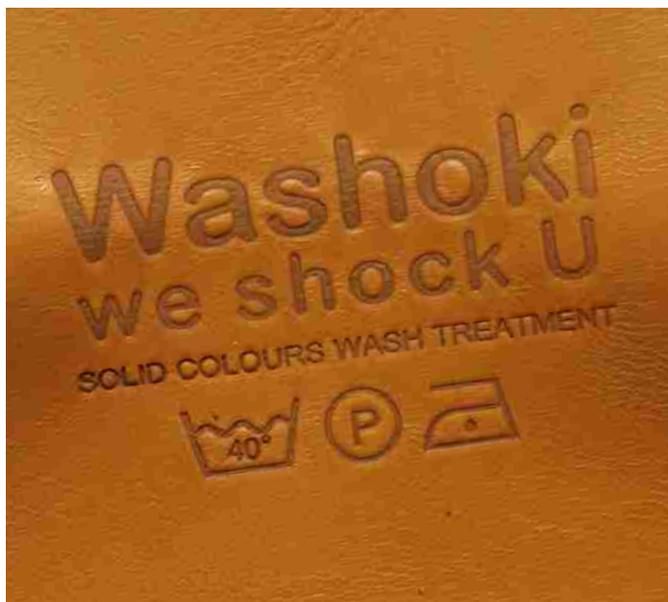


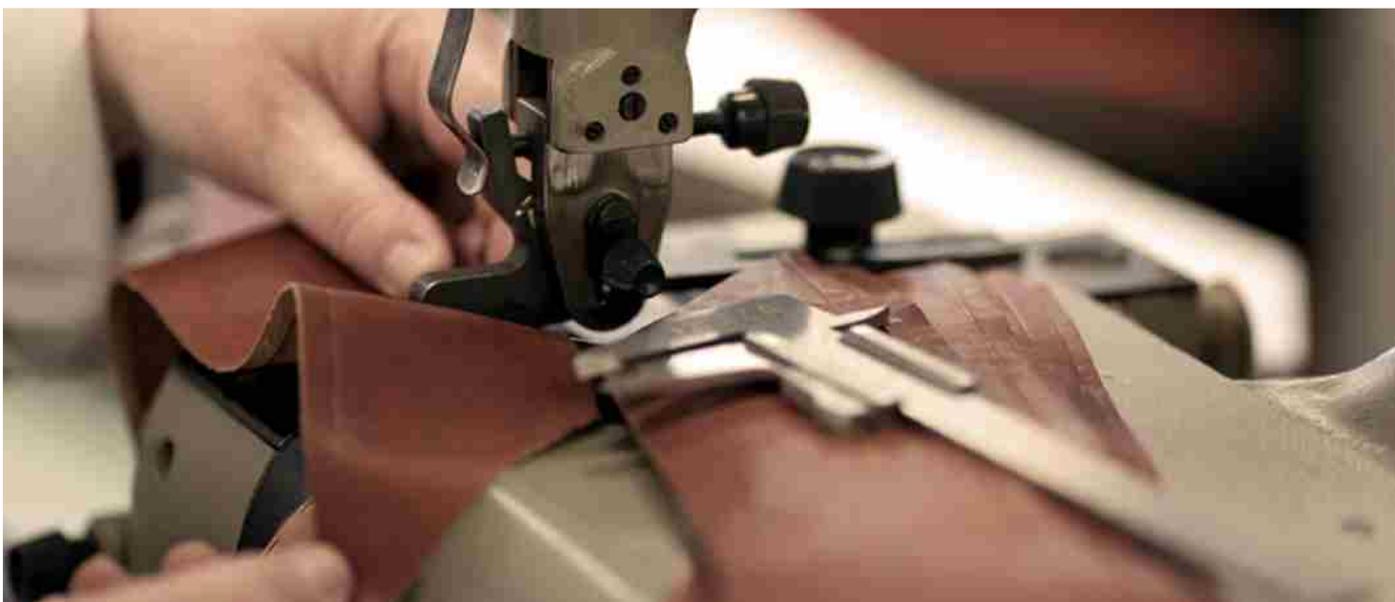
okinawa[®]
MATERIAL MASTERS





Okinawa presents Washoki®, a new typology of washable leather, in compliance with REACh 2015. This important achievement is the result of many years devoted to research and innovation of new materials always in step with the new sustainable technologies.

Washoki® products have been developed within the green materials project and are exclusive from Okinawa. They are used for the realization of Labels and Trimmings.



What is the REACH 2015

The European regulations REACH (1097/2006) govern the safe use of chemical substances and substances of very high concern (SVHC). The most dangerous chemical substances are included in the SVHC list. These substances can be carcinogenic, interfere with the hormonal system, accumulate in nature and in the living creatures as well as cause irreversible effects on human health and environment. For this reason this substance list is constantly updated on a European level. One of the important Reach news of year 2015 is the restriction of Chromium VI in leather (regulation EU N. 301/2014). It has been demonstrated that the dermal exposure to Chromium VI can cause sensitization and provoke an allergic reaction. The new enforced restrictions establish that leather, or products with parts in leather, cannot contain Chromium VI with higher quantity than 3 mg/kg. This new obligation will be in effect from 1st May 2015. The rule EN ISO 17075 is only the method of analysis currently available and approved on an international level in order to detect Chromium VI in leather. Okinawa always in line with innovation and sustainability of its own materials, keeps constantly under control the substances of very high concern (SVHC) and is already in compliance with the new regulations 2015 for Chromium VI.





**Okinawa
DRY CLEANING**

SECCO 179/14

P

Washing tests 178-E/14 - COMPETITOR

Results of the ANALYSIS on the PRODUCT				Results of the ANALYSIS on the cotton washed BASE	
Washing tests	% of size decrease (**)	Colour (***)	Note	Colour release	Note
Dry cleaning	≈4%	4		1	

Washing tests 179-C/13 - OKINAWA WASHOKI

Results of the ANALYSIS on the PRODUCT				Results of the ANALYSIS on the cotton washed BASE	
Washing tests	% of size decrease (**)	Colour (***)	Note	Colour release	Note
Dry cleaning	∅	5		4/5	

(**) indicative
(***) Grey Scale 1:5 - the value between 1 (worst value) and 5 (optimal value) indicates the colour solidity

**Competitor
DRY CLEANING**

**Okinawa
60° CLEANING**

60° 179/14

60°

Washing tests 178-E/14 - COMPETITOR

Results of the ANALYSIS on the PRODUCT				Results of the ANALYSIS on the cotton washed BASE	
Washing tests	% of size decrease (**)	Colour (***)	Note	Colour release	Note
Domestic washing 60° C	≈6%	3		1	

Washing tests 179-C/13 - OKINAWA WASHOKI

Results of the ANALYSIS on the PRODUCT				Results of the ANALYSIS on the cotton washed BASE	
Washing tests	% of size decrease (**)	Colour (***)	Note	Colour release	Note
Domestic washing 60° C	∅	4/5		4/5	

(**) indicative
(***) Grey Scale 1:5 - the value between 1 (worst value) and 5 (optimal value) indicates the colour solidity

**Competitor
60° CLEANING**

100 60 5

The new washable leather Washoki® resists to dry cleaning and domestic washing at 60 °C, with extraordinary dimensional stability and colour solidity, without bleeding.

Okinawa carried out a comparative study on the washing resistance of Washoki compared to the best leathers existing in the market and the results are truly amazing.



characteristics



Washoki® leather is washable, without shrinkage and dimensional decreases, thanks to its special wet-blue tanning and dyeing with innovative colours.

This leather can be washed with different techniques and finishing, even on customer specifications. These characteristics make Washoki suitable to the use on the most different sectors and for multiple applications such as: clothing, leather goods, footwear, fashion accessories, furniture, automotive and many others.





The manufacturing process adopted to realize the Washoki® leathers, does not use substances prohibited by law, according to the latest technology available today.

The use of selected raw materials allows to reduce the production of hazardous waste and harmful emissions. The Washoki® manufacturing process provides a level of security in accordance with the current regulations.



respect for the environment



product applications

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