



Product technical reference

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| Denomination: | NAPPA TWIST |
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Identification

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| Destination: | Leather goods and footwear |
| General informations: | Shiny lamb with broken off effect |

Characteristics

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| Raw material | Lamb (Ovis Aries) |
| Tannage mode | Chrome |
| Dyeing mode | In drum passing |
| Colour Uniformity | As sample |
| Finishing mode | Sanded, drummed |
| Realized colors | As per color card |
| Grain aspect | Broken off |
| Elasticity, Grain-tightening, Softening, Fullness | As sample |
| Size (sqm) | 0,37 - 0,65 |
| Thickness (mm) | 0,5 - 0,8 |

Technical value

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| Ball burst test - Elongation at break | ≥ 7,00 | mm |
| Colourfastness to rubbing (felt valuation) - chromatic Variation | after 50 dry rubbings ≥ 3 | I.G.S. degree |
| Colourfastness to rubbing (Leather valuation) - chromatic Variation | after 50 dry rubbings ≥ 3 | I.G.S. degree |
| Colourfastness to rubbing (felt valuation) - chromatic Variation | after 20 wet rubbings ≥ 3 | I.G.S. degree |
| Colourfastness to rubbing (Leather valuation) - chromatic Variation | after 20 wet rubbings ≥ 3 | I.G.S. degree |
| Water spotting - chromatic Variation | after 30 minutes ≥ 4 | I.G.S. degree |
| Water spotting - degree of swelling | after 30 minutes ≤ Light | Judgment |
| Abrasion resistance - Evaluation of layer | after 3200 cycles ≤ Light abrasion | Judgment |

Compliance declarations

The product is identified in section 4.1.1 of the EN 15987:2015 standard and it is made in compliance with the following standards and regulations:

- Washington Convention dated 03/03/1973 validated with the Law 19/12/1975 n. 874 and adopted with the Regulation n. EC 388/97 on the protection of species of wild flora and fauna through the control of their trade;
 - Regulation n. EC 1907/2006 (REACH): Annexe XIV and Annexe XVII;
 - Directive n. 93/42/EEC on medical devices adopted with the Legislative Decree n. 46 dated 24/02/1997;
 - Chemical characteristics of acceptability provided for by UNI 10594 and UNI 10826;
- IMPORTANT NOTICE:** The product compliance with the eco-toxicological requirements, provided for by the above mentioned Regulation n. EC 1907/2006, is guaranteed for the skins as they are sold from the tannery. There where the buyer should apply any further chemical treatments on the skins, in order to ensure the sold from the tannery. There where the buyer should apply make sure of the compliance of the applied substances with the cited regulation and that they do not negatively interact with the on sure of the compliance of the applied substances. Russo di Casandrino tannery will not be legally liable for the loss of compliance of its products.

Note

1. The technical characteristics of the product that are not expressly reported in this document must be considered not applicable. The technical characteristics of the product that are not explicitly, before forwarding the purchase order, any further complementary requirements not included in this technical sheet.
2. The performance requirements of the products express average values observed in our standard productions.
3. Russo di Casandrino tannery guarantees the compliance with the reported range of size and thickness. Nevertheless, stated the natural origin of the product, it is possible to observe in the supplied batches, marginal quotes of skins whose thickness and/or size range can lightly distance from the reported range of 0.1 mm and 0.25 sqf, respectively. These skins cannot be the object of a complaint by the customer.
4. Russo di Casandrino tannery reserves the right to make changes to its products at any time and without any notification. Russo di Casandrino tannery reserves the right to make standards, laws and regulations - incident to the occupational and product safety, as well as the environment conservation - issued by the competent authorities.
- 5 - For all its articles Russo di Casandrino excludes the applicability of physical and chemical tests after any artificial ageing - For all its articles Russo di Casandrino excludes the applicability of products with laminated finishing, no artificial ageing process is applicable.
6. Any claims for defects must be notified in writing, within eight days of receipt, without affecting the original mix of the skin choices and before the cut or any processing of the goods. The





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recognition of eventual defects by Russo of Casandrino S.p.A. entails the replacement of the defective goods or the contract termination without any acknowledgment of damages. As per international contract, the order quantity is processed with a tolerance of +/- 10%.

Usage Indications

The skin is a natural product. Therefore, in order to use it correctly, the following precautions must be taken:

- Knead the skin with the right grade of humidity and at no high temperature in order to avoid the decrease of the break resistance.
- Avoid the use of organic solvents as they generally modify the chemical and physical characteristics of the product and the fini. Avoid the use of organic solvents as they generally modify the
- For laminated leathers in particular, the use of adhesive and/or impregnating substances which contain solvents is not permitted as the lamina removing action of this type of substances has been verified even after a long time.
- Do not impregnate caps and / or counterforts with substances containing organic solvents, even if in traces, and let them dry as much as possible before their application.
- For varnished leather in particular, the organic solvents, which are eventually present in adhesives, impregnating substances, etc., can cause a detachment of the varnish film that would permanently compromise the aesthetic and functional characteristics of the products.
- Store the skins without overlapping any load on top of the packages provided by the tannery in order to avoid the formation of permanent creases.
- The micro-climatic conditions of the storage rooms must comply with the following optimal parameters: Relative Humidity 50/65% - Temperature 15/25 °C. In addition, it must ensure a good ventilation of the rooms.

However, it is not possible to foresee with absolute precision all the performances of the leather in its many different conditions of use. Therefore, it is good practice to test the leather by making prototypes according to the technological cycle established by the customer.

For the maintenance of the customer's products, take the following general precautions:

- Store them in dry and well-ventilated areas at room temperature.
- The use of products for the cleaning, protection and polishing of leather, generally has no side effects. Nevertheless, it is advisable to perform a preliminary test of the cleaning product on a hidden area of the customer's product.
- Warning: the use of products not specifically aimed at the maintenance of leather goods may cause cracks or colour fading on the treated surface.
- Stains caused by water-soluble substances (such as drinks, coffee, tea, milk, jam, etc.) can be removed from the surface by dabbing with absorbent paper without rubbing. Then, use a damp white cloth to gently treat the stain from the outside towards the inside and let the leather air dry. Finally, re-polish with a soft cloth. Stains caused by oily substances (such as oil, ketchup, mayonnaise, chocolate, etc.) can be removed with absorbent paper, by taking care not to press to prevent dirt from entering the skin. With a clean white clo can be removed with absorbent solution, available at specific shops, gently rub from the outer to the inner part of the stain. Do not wet too much the skin surface and absorb any exceeding solution with a dry clean cloth. Let it air dry. The removal of both types of dirt must be carried out as quickly as possible.
- Warning: do not dry the skin in the sunlight or near heat sources!

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| The Quality Control wrote | Salvatore Daddio | |
| The Technical Manager confirm | Giampiero Russo | |