

Product technical reference

Denomination:	FREEZE
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Documento	Rev.	del	Date of document	Pag./di
MOD030 - STP	02	01/09/2012	24/04/2014	1/3

Identification

Destination:	Leather goods and footwear
General informations:	Foiled broken off lamb with a high fashion content for wichthe application of UNI10594 law "Characteristics of footwear leathers" is not applicable. The performances of the product will be verified and approved by the customer before the purchase order release

Characteristics

Raw material	Lamb (Ovis Aries)
Tannage mode	Chrome
Dyeing mode	In drum passing
Colour Uniformity	As sample
Finishing mode	Foiled
Realized colors	As per color card
Grain aspect	Foiled broken off
Elasticity, Grain-tightening, Softening, Fullness	As sample
Size (sqf)	4 - 7
Thickness (mm)	0,5 - 0,8

Technical value

Ball burst test		
Colourfastness to rubbing (felt valuation) - chromatic Variation	after 100 dry rubbings \geq 3	I.G.S. degree
Colourfastness to rubbing (Leather valuation) - chromatic Variation	after 100 dry rubbings \geq 3	I.G.S. degree
Colourfastness to rubbing (felt valuation) - chromatic Variation	after 20 wet rubbings \geq 3	I.G.S. degree
Colourfastness to rubbing (Leather valuation) - chromatic Variation	after 20 wet rubbings \geq 3	I.G.S. degree
Water spotting - degree of swelling	after 30 minutes \leq Light	Judgment
Water spotting - chromatic Variation	after 30 minutes \geq 4	I.G.S. degree
Abrasion resistance - Evaluation of layer	after 3200 cycles \leq Lieve abrasione	Judgment
Flexing endurance - Break of grain	after 15000 dry bendings = No break	Judgment
Flexing endurance - chromatic Variation	after 15000 dry bendings \geq 3	I.G.S. degree
Flexing endurance - Break of grain	after 5000 wet bendings = No break	Judgment
Flexing endurance - chromatic Variation	after 5000 wet bendings \geq 3	I.G.S. degree
Tensile strenght - Force	cross-sectional \geq 10,00	N/mm ²
Tensile strenght - Force	longitudinal \geq 10,00	N/mm ²
Tear strenght - Force	longitudinal \geq 20,00	N
Tear strenght - Force	cross-sectional \geq 20,00	N
Adhesion of finishing to dry - Force	\geq 2,00	N/10 mm
Colour resistance to light - chromatic Variation	\geq 3/4	I.B.S.degree

Compliance declarations

The product 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° CE 388/97 related to the species protection of the wild flora and fauna through the control of their trade;
- Regulation n° CE 1907/2006 (REACH): Attachment XIV and Attachment XVII;



Leather from Italy
(UNI 11239:2007)

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Ball burst test

Colourfastness to rubbing (felt valuation) - chromatic Variation	after 100 dry rubbings	≥ 3	I.G.S. degree
Colourfastness to rubbing (Leather valuation) - chromatic Variation	after 100 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 - degree of swelling	after 30 minutes	≤ Light	Judgment
Water spotting - chromatic Variation	after 30 minutes	≥ 4	I.G.S. degree
Abrasion resistance - Evaluation of layer	after 3200 cycles	≤ Lieve abrasione	Judgment
Flexing endurance - Break of grain	after 15000 dry bendings	= No break	Judgment
Flexing endurance - chromatic Variation	after 15000 dry bendings	≥ 3	I.G.S. degree
Flexing endurance - Break of grain	after 5000 wet bendings	= No break	Judgment
Flexing endurance - chromatic Variation	after 5000 wet bendings	≥ 3	I.G.S. degree
Tensile strenght - Force	cross-sectional	≥ 10,00	N/mm2
Tensile strenght - Force	longitudinal	≥ 10,00	N/mm2
Tear strenght - Force	longitudinal	≥ 20,00	N
Tear strenght - Force	cross-sectional	≥ 20,00	N
Adhesion of finishing to dry - Force		≥ 2,00	N/10 mm
Colour resistance to light - chromatic Variation		≥ 3/4	I.B.S.degree

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- Regulation n° CE 1907/2006 (REACH): Attachment XIV and Attachment XVII;
- Directive n° CEE 93/42 on medical devices adopted with the Legislative Decree n°46 dated 24/02/97;
- Chemical characteristics of acceptability provided for in UNI 10594 and UNI 10826;

IMPORTANT NOTICE: The product compliance to the Echo-Toxicological requirements cited in the above mentioned regulations n° CE 1907/2006, is guaranteed on 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 maintenance of the aforementioned requirements he must make sure of the compliance of the applied substances with the cited regulation and that they do not negatively interact with the ones already fixed on the skin fibres.

On the contrary, Russo di Casandrino tannery will be not legally responsible of the loss of its products compliance.

Note

1. The technical characteristics of the product that are not expressly reported in this document are not applicable or not determined by the manufacturer. Customer must specify, 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 even if, stated the natural origin of the product, it is possible to observe in the supplied batch, marginal quotes of skins whose thickness and/or size range can lightly distance from the reported range of a 0.1mm and 0.25sqf, respectively. These skins cannot be the object of a complaint of the customer.
4. Russo di Casandrino tannery reserves the right to make changes to its products at any time and without any notification commitment, in order to make them in compliance with any new requirements, law and regulation incident to the work safety, the product and the environment issued by the competent authorities.
5. For the products that present a laminated finishing, Russo di Casandrino tannery does not include, in its selling agreement, the applicability of physical tests on the skins after an artificial ageing process, produced according to the regulation UNI EN ISO 17228 or its derivations.

Usage Indications

The skin is a natural product, therefore in order to use it correctly, the following precaution have to be adopted:

- Knead the skin with the right grade of humidity and at not high temperature in order to avoid the decrease of the break resistance.
- Avoid the use of organic solvents as they modify in general the chemical and physical characteristics of the product and the finishing anchoring.
- For the laminated leathers in particular, the use of adhesive and/or impregnating substances containing solvents is not permitted as it has been verified the removing action of the lamina that this type of substances can exert on the metallic lamina also after a long time.

The Quality Control wrote	Ciro Bruno	
The Technical Manager confirm	Giampiero Russo	