

**TEST REPORT n° 2304805 Of 22/03/2023**Date of acceptance: **13/03/2023****Sample description**

Requested by: ELISA FERRARI #

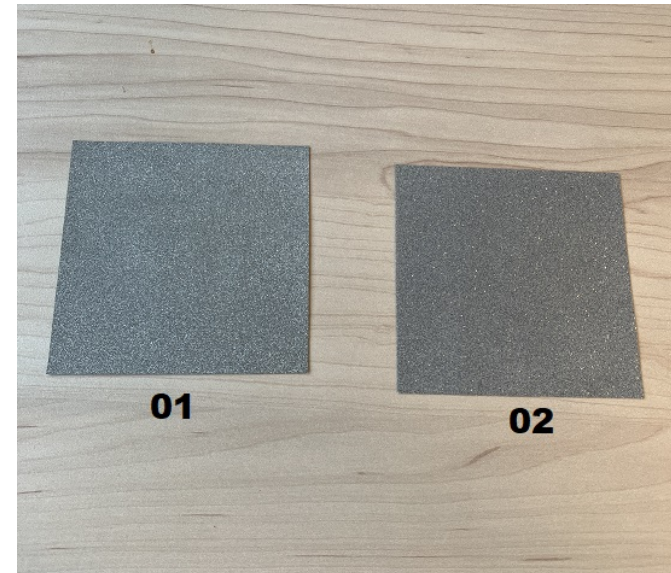
Reference: Tessuto base fibra di vetro ricoperto di micro diamanti #

Compliance sample received: Yes

Sampling: by the customer or his representative

Date receipt of sample: 13/03/2023

#: Information provided by the customer



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CLIENT REFERENCE	DESIGNATION OF THE TEST / OPERATING CONDITIONS	METHOD	NOTE	PARAMETERS	RESULT	U.O.M.	COMMENTS	START DATE ANALYSIS	STOP DATE ANALYSIS
01	<b>Cosmetics Resistance</b> <u>Operating Conditions</u> - material: blotting paper with cosmetic - temperature: T=40°C ± 2°C	NIHS 96-50:2017 par 6.9 NIHS 96-50:2017 par 6.9 NIHS 96-50:2017 par 6.9	* * *	Changes after exposition to BODY LOTION Changes after exposition to PERFUME Changes after exposition to LIQUID SOAP	4 5 4/5	(Grey Scale) (Grey Scale) (Grey Scale)	slight loss of brilliance is observed	15/03/2023 15/03/2023 15/03/2023	17/03/2023 17/03/2023 17/03/2023
01	<b>Sunlight resistance (Xeno test)</b> <u>Operating Conditions</u> - exposure time: 36 hours - 42 W/m <sup>2</sup> - BST 65°C max - R.H. 60%±5%	NIHS 96-50:2017 par 6.3	*	Changes after Xenotest: 36h	4/5	(Grey Scale)		20/03/2023	22/03/2023
01	<b>Synthetic sweat resistance</b> <u>Operating Conditions</u> - duration: 96 hours - solution pH 4.7 - manual spraying - temperature: T=40°C ± 2°C	NIHS 96-50:2017 par 6.2	*	Changes after Synthetic Perspiration Test	5/5	(Scale 1/5 to 5/5)	no changes	16/03/2023	20/03/2023
01	<b>Moist heat resistance (Tropical climate test)</b> <u>Operating Conditions</u> - duration: 168 hours - temperature T=40°C ± 2°C - relative humidity 93% ± 5%	NIHS 96-50:2017 par 6.7	*	Changes after Damp Heat 168 hours (40°C / 93% RH)	4/5	(Scale 1/5 to 5/5)	appearance of green spots on the back of the fabric	13/03/2023	20/03/2023
01	<b>Salt Spray test (NSS) 96h</b> <u>Operating Conditions</u> Camera Termostatica: 35°C ± 2°C Conc. NaCl: 50 g/l ± 5 g/l pH (collected solution) : from 6.5 to 7.2 Collecting velocity (80 cm <sup>2</sup> ): 1.5 ml/h ± 0.5 ml/h	UNI EN ISO 9227:2017		Changes after Salt Spray (NSS) 96 hours	5/5	(Scale 1/5 to 5/5)	no changes	13/03/2023	17/03/2023
01	<b>Resistance of paint coatings to separation - Adhesion by cross-cut test</b> <u>Operating Conditions</u> Spacing of cuts: 1 mm Thickness of substrate: <1 mm Sample: FINE SCRATCHES	UNI EN ISO 2409:2020 - escluso/except paragrafi 6 e 7	q	Adherence - Sample 1	1	(Scale 0 to 5)		13/03/2023	22/03/2023

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		UNI EN ISO 2409:2020 - escluso/except paragrafi 6 e 7	q	Adherence - Sample 2	1	(Scale 0 to 5)		13/03/2023	22/03/2023
		UNI EN ISO 2409:2020 - escluso/except paragrafi 6 e 7	q	Adherence - Sample 3	1	(Scale 0 to 5)		13/03/2023	22/03/2023
02 DETTAGLIO: CAMPIONE SPAZZOLATO	<b>Resistance of paint coatings to separation - Adhesion by cross-cut test</b> <u>Operating Conditions</u> Spacing of cuts: 1 mm Thickness of substrate: <1 mm Sample: FINE SCRATCHES (campione spazzolato)								
		UNI EN ISO 2409:2020 - escluso/except paragrafi 6 e 7	q	Adherence - Sample 1	1	(Scale 0 to 5)		13/03/2023	22/03/2023
		UNI EN ISO 2409:2020 - escluso/except paragrafi 6 e 7	q	Adherence - Sample 2	1	(Scale 0 to 5)		13/03/2023	22/03/2023
		UNI EN ISO 2409:2020 - escluso/except paragrafi 6 e 7	q	Adherence - Sample 3	1	(Scale 0 to 5)		13/03/2023	22/03/2023

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**Note**

(Grey Scale):

Visual assessment according to the gray scale (1 = Severe color change / variation; 5 = No color change / Variation) determined in the cabin using artificial light illuminant D65. The associated uncertainty for grayscale evaluation is  $\pm 0.5$  grayscale units.

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(Scale 1/5 to 5/5):

5/5 = no variation - 4/5 = there was a slight variation - 3/5 = we note a not uniform variation - 2/5 = we note a marked variation - 1/5 = we note a clear and considerable variation

The associated uncertainty for scale evaluation is  $\pm 1/5$  scale unit.

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(Scale 0 to 5):

0: The edges of the cuts are completely smooth; none of the squares of the lattice is detached. / 1: it has a small detachment of the paint at the intersection of the cuts, for an area not exceeding 5%. / 2: it has chipping of paint along the edges and / or at the intersection of the cuts, for an area included between 5% and 15%. / 3: there is partial or total detachment of the paint along the edges of the incisions and / or on different parts of the squares, for an area between the 15% and 35% / 4: it has chipping of paint along the edges of the incisions and / or the partial or total surface area of some square, for an area comprised between 35% and 65%. / 5: any degree of detachment that can not be classified by the rating 4.

The associated uncertainty for scale evaluation is  $\pm 1$  scale unit.

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q = The adhesion of paint is assessed through stress with tape. The apparatus used is a manual single-blade cutting too. To remove loose paint it is used a brush.

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Acronyms legend:

LOQ: Limit of Quantification

LOD: Limit of Detection

U.o.M.: Unit of Measure

n.a.: Not applicable

n.d.: Not detected

R.H.: Relative Humidity

Format legend:

It should be noted that in the RdP results that do not comply with the limits indicated by the customer or the legal limits indicated are shown in red. The result is compliant only if explicitly indicated in the compliance column (compliant).

\* Test not accredited ACCREDIA

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**Il Responsabile del Laboratorio**

Dott.ssa Giulia Moscardi, PhD



Note that in the RDP are shown in red color results that do not comply with the limits set by the customer or the legal limits indicated.

This certificate refers exclusively to the sample tested. Unless otherwise specified, each test is performed on a single piece; exceptions are possible in case of specific requirements of the applied method or customer requests. This certificate may only be reproduced in full. Any reproduction must be authorized by our written approval Laboratory.

If indicated the additional limits requested by the customer are intended as supplements or substitutes for the specific sample, with respect to the indicated reference limits.

The uncertainty value reported represents the extended uncertainty, calculated considering a coverage factor equal to  $k = 2$  corresponding to the 95% confidence level. In case of conformity declaration on the test report, it's given without the contribution of expanded uncertainty. The laboratory estimates the associated risk level for false acceptance (PFA) and false rejection (PFR) as reported in the current ILAC G8 document.

The laboratory declines all responsibility for the information provided by the customer. The results reported in this test report refer to the sample as received.

The sampling isn't in object of accreditations

Comments are not the subject of accreditation ACCREDIA.

END OF TEST REPORT