

Surveillance visiting protocol



Third party surveillance: **year 2026**

Client: **Laviosa S.p.A.**
Via Leonardo da Vinci, 21
57123 Livorno
Italy

Manufacturing site: 57123 Livorno

Contract no: 4452, 4489, 4510, 5119

Construction products: *Clay geosynthetic barrier (GBR-C)*

Inspector:
Gizem Kahyalar (SKZ)
Interlocutor:
Matteo IEGRE

Basis: EN 13361:2004/A1:2006, EN 13362:2005,
EN 13491:2004/A1:2006, EN 13492:2004/A1:2006,
EN 13493:2005, EN 15382:2013

No.	Results by the inspection body	Measures	Deadline	Responsible	Realized
1.	On CE label, first Issue date is wrong according to contract (Contract 4489).	Please correct it according right first issue date. Change the labels before delivery. Send evidence photos.	30.06.2026	Matteo IEGRE	
2.					

No.	Recommendations
1.	no recommendations

Follow-up visit necessary: ☐ yes ☒ no

Date:

The factory production control fulfils the requirements

✓ yes ☐ no

The test equipment is complete and in good working condition

✓ yes ☐ no

The labs staff is qualified and in sufficient amount available

✓ yes ☐ no

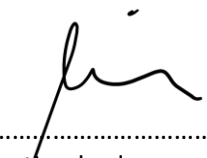
Complains about the inspected products?

☐ yes ☒ no

Confirmation to the above written:

Livorno
2026-05-27


.....
company
Laviosa S.p.A


iA.....
inspection body
SKZ-Testing GmbH

Checklist for the assessment of a Factory Production Control system (for CE marking purposes)

Question	Comment
<i>If the manufacturer is ISO 9001 certified, these questions (in italics) do not have to be checked during every audit</i>	<i>Refer to the manufacturer's documentation and specific comments</i>
1 Product identification and traceability	
1.1 What are the means used for the unique identification of any individual finished product?	article code number, batch number, roll number
1.2 <i>Is traceability guaranteed from final product to production date and raw materials?</i>	Yes, with article code number and batch number checked on Mapeproof P5 from production 27.05.2026 lot. No 21056, roll 1
1.3 Does the marking on the final product comply with EN ISO 10320	Yes, roll is printed even every 2.5 m
2 Production process control	
2.1 <i>Are the specified requirements concerning process validation, including the associated personnel and equipment documented and implemented?</i>	Yes, Report GCL- Production Orders and records M0.POQ.05.B.C, Rev. 00 Report GCL-2026
3 Inspection and testing on in-coming raw materials	
3.1 Are there specification sheets concerning incoming raw materials? Does raw material meet the required specifications?	Yes, purchase and specification Woven/Nonwoven GTX M0.PGQ.11.I, Rev. 06 from 08.08.2023 Specification for Bentonite: M0.06.A.D_Eng Rev. 03 (23.10.2023) Yes, checked on several examples
3.2 Is there a testing plan for in-coming raw materials and is it followed?	No testing plan for the incoming material, the company uses the certificates of their suppliers For Bentonite MO.PGQ.11.B piano dei controlli delle Materie Prime REV0_07.01.2026

4 Inspection and testing during manufacturing	
4.1 Is there a documented inspection and/or testing plan?	Yes, MO.PGQ.11.C piano controllo prodotti REVO_11.03.2019 Length, width, weight are checked during production.
5 Final inspection and testing	
5.1 Are all the facilities, equipment and trained personnel to carry out the required inspections and tests available (including subcontracted tests)? <i>(This requirement may be fulfilled by subcontracting with one or more organisations or persons having the necessary qualifications and equipment.)</i>	Yes
5.2 Are the tests conducted at the minimum frequency required for the FPC/harmonised Standard?	Yes, MO.PGQ.11.C piano controllo prodotti REVO_11.03.2019 Tabella Riassuntiva Analisi CE (2026)
EN 16416 Water permeability test	ASTM D5887 - Water permeability test frequency: 25.000 m ²
ASTM D5890 Swell index	ASTM D5890 - Swell index frequency: every day (30 t or 60 t) on the raw material CoA of every batch Bentonite shipped from India is checked
ASTM D6496 Peel test	ASTM D6496 frequency: 20.000 m ²
EN 14196 Mass per unit area	EN 14196 – Mass per unit area frequency: each lot (minimum) GCL Lab L2
EN ISO 10319 Tensile test	EN ISO 10319 - Tensile test frequency: 20.000 m ²

EN ISO 12236 Static puncture test (CBR-test)	EN ISO 12236 - Static puncture test frequency: 50.000 m ²
EN ISO 13438 Resistance to thermal oxidation	every 5 years Reports from GTX suppliers are available last test was performed by SKZ in 09.2024 (236107/II)
5.3 Are all tests conducted in accordance with the applicable standard and in conformance with Annex ZA for declared essential characteristics (has the confidence level been met)?	Yes
5.4 Are there records providing evidence that the product has been tested?	Tabella Riassuntiva CE (2026)
5.5 Is there traceability to the person responsible for testing final products and for releasing the products?	Traceability is done via CQ lot number given on test protocols
5.6 How are the requirements regarding RWM, PCM and PIM established and fulfilled?	Recycling material is not used
5.7 Are the requirements regarding raw materials and durability tests established and fulfilled?	Purchase specification M0.06.A.D_Eng, Rev. 05 25 years durability fulfilled
6 Control of inspection, measuring and test equipment	
6.1 Are there defined procedures to control, calibrate and maintain the equipment used?	Yes Mo.11.AB.02 Programma Taratura Periodica Strumenti Laboratorio QC & GCL (2026) Internal verification on tools.
6.2 Is inspection, measuring and test equipment in accordance with relevant test standard? (Check calibration records for inspection, measuring and test equipment and - if existing - round robin test results)	Yes, external calibration certificate checked on various examples See examples on last section.
7 Control of non-conforming products	
7.1 Are all the cases of non-conforming products (including customer complaints) recorded?	Yes, Complaints were received not on performance of products but on delivery etc. Complaints are recorded in CRM system Procedure PG.09, rev4, 12.03.2026

7.2	<i>Are non-conforming products identified and segregated from the rest of the production?</i>	Label "non-conforme" is placed on the non-conforming products
7.3	<i>Are all the cases of non-conforming products investigated? Who has the authority to take decisions concerning them? (check organigram)</i>	Data collected in CRM-System Group of people (PM, Quality, Process, Purchase..)
8 Corrective actions		
8.1	<i>Are there documented procedures to implement proper corrective actions?</i>	Procedure PG.09, rev4, 12.03.2026 Gestione delle non Conformità dei Reclamine e delle Aziono Corretive (Section 6/7)
9 Handling, storage and packaging		
9.1	<i>Has the manufacturer identified the extent of his responsibility in relation to storage, protection and delivery? Are the methods used to protect the product during handling, storage and packaging described?</i>	Short description is given in PGQ. 09. Also in some products there is extra sticker related with storage and insallation. Workers are trained internally by production plant manager
9.2	Is the labelling of products in conformance with the provisions of the harmonised standards?	Yes
10 Control of quality records		
10.1	Are quality records legible and maintained for at least 10 years? (Electronically stored records shall be protected against changes and deletion)	Yes, Description in PQ.11 rev 4 from 08.03.2025 Procedura per il controllo Qualità in LCM
11 Personnel		
11.1	<i>Does the manufacturer ensure that the personnel involved in the process are suitably trained?</i>	Lab technicians are trained internally by quality manager Training records are available.
11.2	<i>Are the job descriptions and responsibilities of the operators specified?</i>	Yes, Available for different roles.
Documents checked during the audit: ISO 9001 Certificate from DNV, Cert No: CERT-06446-2000-AQ-FLR-SINCERT, valid until 07.06.2027 Traceability and FPC checked on: Mapeproof P5 from production 27.05.2026 lot. No 21056, roll 1 additional checked documents: - CoA: - Nonwoven batch no. L050 and L052 delivered on 2026-05-20 by Fontana - Woven batch no. L114 delivered on 2025-12-01 by Filpa - internal test reports: tensile test reports for Macline W20 Macline W10, Permability reports - external test reports: - SKZ test report for Resistance to thermal oxidation GTX supplier. in 09.2024 (Report no: 236107-II) - Certificates of calibration: - Dynamometer UZSL 279 calibrated on 2026-03-04, Calibration report no: 028/017A/26 Klass 0.5		

Version	Geändert am	Geändert von	Änderung
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1	2026-05-13	Kh	Aktualisierung der Zertifikate/Verträge + redaktionelle Anpassung