

Project:

Facilities in Ribera de Axpe by
Lantegi Batuak

Location:

Erandio, Biscay (Spain)

Project completed:

2017

Owner/s:

Lantegi Batuak

Applicator/Contractor:

PLASTICOS TOLOSA

Designer/Architect/Specifier:

-

Market sector:

Electronics industry

Products used & amounts:

MasterTop 1273 AS-R

Lantegi Batuak (Ribera de Axpe) Antistatic flooring in electronics industry



Our reference in Erandio (Spain): Facilities in Ribera de Axpe by Lantegi Batuak

The background

Lantegi Batuak is a private non-profit organization whose aim is to generate job opportunities for people with disabilities in the province of Biscay.

Among the various facilities of Lantegi Batuak are those located in the Ripera de Axpe, in the Biscayan municipality of Erandio, with an area of 1,300m².

In this facility, assembly tasks for electronic components are carried out.

Before the renovation, the pavements were formed by a polished concrete on which conductive tiles were placed in an area.

The challenge

The activities carried out in the facilities are related to tasks of electronic equipment and wiring.

As these activities are sensitive to electrostatic charges, which can damage the devices being built in the facilities, a floor is required which is capable of dissipating these charges.

At the same time the antistatic performance of the floor must be combined with safety requirements for the workers, most importantly with slip resistance.

Contact:

Master Builders Solutions España, S.L.U
Carretera de l'Hospitalet 147-149
08940 Cornellà del Llobregat (Barcelona)

mbs-cc@mbcc-group.com
Tel. 93 619 46 00

Lantegi Batuak (Ribera de Axpe)

Antistatic flooring in electronics industry



Appearance of the workshop prior to the pavement renovation



Connecting the ground to the superconducting layer MasterTop P 687 W AS

Our solution

Among the different antistatic flooring systems within the Master Builders Solutions portfolio, we decided to apply one which provides the anti-slip finish required by the property.

The MasterTop 1273 AS-R system complies with the requirements of the standards *EN 61340-5-1 - Protection of electronic devices against electrostatic phenomena – General requirements and EN 61340-4-1 standardized test methods for specific applications – Electrical specific applications - Electrical resistance of installed floorings.*

Additionally, the final finish provides slip resistance class values Rd according to UNE-ENV 12633: 2 - 3.

The customer's benefit

With the provided solution, the antistatic floor finish required by the customer was achieved paired with the anti-slip properties for fall prevention.

All this was also achieved while providing an aesthetic finish which is easy to clean and maintain and delimitates production areas and aisles by color differentiation.

Projects facts at a glance

- Total surface applied: approx. 1300 m².
- Thickness of the applied system: between 2 and 2,5 mm.
- Durable and antistatic flooring:
 - Resistance to ground: 10⁴ – 10⁶ Ohm (EN1081)
 - Resistance Footwear/Person/Floor: Rg <10⁶ Ohm (IEC 61340-4-5)
- Ease of cleaning and maintenance
- Zone differentiation by color variation
- Anti-slip finish reducing the risk of falls. Slip resistance: Rd class.

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The Master Builders Solutions brand brings all of our expertise together to create chemical solutions for new construction, maintenance, repair and renovation of structures.

Master Builders Solutions is built on the experience gained from more than a century in the construction industry. The know-how and experience of a global community of construction experts form the core of Master Builders Solutions. We combine the right elements from our portfolio to solve your specific construction challenges.

Further information is available at:

<https://www.master-builders-solutions.com>