

**Project:**

Conductive flooring in new facilities of Lantegi Batuak

**Location:**

Sestao, Bizcaia (Spain)

**Project completed:**

Dezember 2017

**Owner/s:**

Lantegi Batuak

**Applicator/Contractor:**

Plasticos Tolosa

**Designer/Architect/Specifier:**

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**Market sector:**

Industrial sector, electronics industry

**Products used & amounts:**

MasterTop 1273 AS-R 1900m<sup>2</sup>

## Lantegi Batuak (Sestao)

### Conductive flooring in electronics industry



Conductive floor MasterTop 1273 AS-R in electronics industry

#### 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, achieve their inclusion, maximize their development and improve their quality of life. Lantegi Batuak collaborates with public institutions, social entities and businesses.

The new center opened in the town of Sestao (Biscay) in 2019 and employs nearly 100 people of which more than 80% have intellectual, physical or sensory disabilities or suffer from mental illnesses.

The new center (the 21<sup>st</sup> of the foundation) mainly dedicates its work to the assembly of electronic equipment, like the wiring or manufacturing of circuits. It offers products and solutions for the value chain of the energy sector from generation, control and electrical distribution to equipment for renewable energies such as wind and photovoltaic.

#### The challenge

The activities, which are to be carried out in the new facilities, include activities related to the manufacturing of electronic circuits.

These activities are sensitive to possible electrostatic charges that can damage these components and can cause large material losses.

A floor is required that is capable of dissipating electrostatic charges to the ground. Further, it should guarantee the safety for workers in their daily movements; it should prevent the risk of slipping.

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# Lantegi Batuak (Sestao)

## Conductive flooring in electronics industry



Conductive floor MasterTop 1273 AS-R in electronics industry

### Our solution

With the presented requirements of the facility, we look for a floor that, in addition to avoiding static hazards, is slip-resistant.

The MasterTop 1273 AS-R system complies with requirements of the standards EN 1081 (ground pavement); EN 61340-4-5 (man to ground) and EN 1081 (point to point).

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 flooring required by the customer was achieved paired with the anti-slip requirements for fall prevention.

The light gray color provides less visual wear and aesthetic finish.

All this was achieved while providing an aesthetic finish which is easy to clean and maintain.

### Projects facts at a glance

- Total surface applied: approx. 1900 m<sup>2</sup>.
- Thickness of the applied system: between 2 and 2,5 mm.
- Durable and antistatic flooring:
  - Resistance to ground: 10<sup>4</sup> – 10<sup>6</sup> Ohm (EN1081)
  - Resistance Footwear/Person/Floor: Rg <10<sup>6</sup> Ohm (IEC 61340-4-5)
- Ease of cleaning and maintenance
- Anti-slip finish reducing the risk of falls. Slip resistance: Rd

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