TECHNOLOGICAL SERVICES

Road Traffic Noise Reducing Devices

CE Marking / Tests and Assessment of mechanical and acoustic performances

AIMED AT

- Noise Barrier manufacturer
- Infrastructure manager
- Developing or Construction Company

SERVICES

- Mandatory certification: CE marking according to UNE-EN 14388:
  - Acoustic: UNE-EN 1793-1 y UNE-EN 1793-2
  - Mechanical: UNE-EN 1794-1 y UNE-EN 1794-2

TESTING

Acoustic:

- Sound absorption: $\Delta L_a$
- Airborne sound insulation: $\Delta L_R$

Mechanical:

- Load testing:
  - Self weight
  - Wind load and static load
  - Dynamic load from snow clearance
- Impact testing:
  - Danger of falling debris
  - Impact of stones
- Fire testing:
  - Resistance to brush fire
- Materials testing:
  - Light Reflection

- Single Point Lab. – A single partner, TECNALIA, for your product’s full characterization and validation.
- International recognition

- Technical Assessment Body (TAB) for European Technical Assessments (ETAs) for Construction Products.

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TESTING FACILITIES

- Physical – Mechanical Testing Laboratory
- Durability Testing Laboratory
- Fire Safety Laboratory
- Acoustic Testing Laboratory (LCCE of the Basque Government)

ACCREDITATIONS AND RECOGNITIONS

- ENAC Accreditation No. 4/LE024 for Construction Sector
  - Fire Protection.
  - Concrete, Byproducts and their Constituents.
  - Ceramics, Baked Clay and their Constituents.
  - Wood and Wood Protection.
  - Furniture.
  - Thermal insulation.
- ENAC Accreditation No. 4/LE456 for Acoustic Test
- ENAC Accreditation No. 4/LE063 for Metallic materials Test
- TECNALIA - Technical Assessment Body (TAB) for the issue of the European Technical Assessment (ETA) for Construction Products
- TECNALIA is Notified Body Number 1292 for the Construction Products Regulation (EU) No 305/2011 (CPR)

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TECNALIA is a private applied research and testing centre with the necessary human resources to generate technological knowledge. A combination of technology, tenacity, efficiency, courage and imagination. TECNALIA has over 1,500 expert staff working together towards a common goal: generating business opportunities through applied research.

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