Acrylic Noise Barrier Panels

01 / Test selection and laboratory briefing

NON-OFFICIAL TEMPLATE - NOT A TEST REPORT

Planning checklist and blank report worksheet. No testing has been performed by preparing this document. The appointed laboratory must agree the applicable standard edition, scope, specimens and methods using licensed standards and the project specification.

Select the applicable route with the laboratory

- ☐ Road traffic application: confirm this scope fits the project. Railway and other uses need their own applicable specification.
- ☐ Acoustics: identify the relevant EN 1793 part and sound field. EN 1793-6:2025 covers airborne sound insulation under direct sound field conditions; agree the current national adoption.
- ☐ If a diffuse-field insulation or absorption route is required, ask the laboratory to confirm the appropriate EN 1793 part. Do not equate a material value with site noise reduction.
- ☐ Mechanical and stability characteristics: consider EN 1794-1:2024, as required by the project.
- ☐ General safety and environmental characteristics: consider EN 1794-2:2024, with applicable annexes agreed by the laboratory.
- ☐ Durability, fire, optical and other requirements: identify separately applicable methods; do not assume the above tests cover every requirement.
- ☐ Confirm the laboratory accreditation scope, method availability, subcontracting, quotation and authorized reporting arrangements.

Project / destination / authority specification:

Agreed methods, editions and exclusions:

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02 / Sample submission and evidence checklist

NON-OFFICIAL TEMPLATE - NOT A TEST REPORT

- ☐ Product designation, PMMA grade, process, batch and manufacturer traceability.
- ☐ Panel dimensions, thickness and tolerances; drawings and revision; coatings, retention features and visibility markings.
- ☐ Full assembly details: posts, frames, seals, joints, fixing interfaces, support span and installation instructions.
- ☐ Laboratory-approved specimen quantity and dimensions, conditioning, sample selection and spare specimens. Do not cut samples before written agreement.
- ☐ Required acoustic outputs and project acceptance criteria; requested mechanical/safety characteristics and their acceptance criteria.
- ☐ Relevant material data, previous reports and limitations; identify any manufacturing changes since earlier testing.
- ☐ Sample IDs, photographs, packing list, chain of custody and shipping protections.
- ☐ Agree report language, permitted public excerpts, photographs, uncertainty, deviations and decision rule where conformity is requested.

Sample schedule / IDs / dimensions / quantities:

Acceptance criteria and source document:

Laboratory contact / quotation reference / target date:

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03 / Blank report worksheet - laboratory completion only

NON-OFFICIAL TEMPLATE - NOT A TEST REPORT

Laboratory name / address / accreditation reference and scope:

Official report number / issue date / test dates:

Client / product / batch / specimen identification:

Methods and editions / departures / conditioning:

Assembly drawing and tested configuration reference:

Measured results, units, uncertainty and raw-data references:

Classification or conformity assessment, if applicable / decision rule:

Limits of application / exclusions / authorized laboratory signatory:

All fields are intentionally blank. This worksheet does not constitute laboratory authorization, certification, CE marking or a declaration of performance.

Sources checked 29 October 2026. Public catalogue summaries support planning only; they do not replace the complete standards. Confirm current editions, amendments and national requirements before commissioning tests.

BSI: EN 1793-6 - airborne sound insulation, direct sound field

https://landingpage.bsigroup.com/LandingPage/Undated?UPI=000000000030218974

BSI: EN 1794-1 - mechanical and stability characteristics

https://knowledge.bsigroup.com/products/road-traffic-noise-reducing-devices-non-acoustic-performance-methods-of-determination-of-the-mechanical-and-stability-characteristics

BSI: EN 1794-2 - general safety and environmental characteristics

https://knowledge.bsigroup.com/products/road-traffic-noise-reducing-devices-non-acoustic-performance-methods-of-determination-of-the-general-safety-and-environmental-characteristics

Before publication of actual results

- ☐ Obtain the original laboratory report and confirm the specimen matches the marketed construction.
- ☐ Check scope, limitations, permitted reproduction and all classification wording.
- ☐ Publish the laboratory-issued report separately. Keep this template labelled as a non-official planning document.