

Product Data Sheet

NIDA Acoustic 12,5



Description:

NIDA Acoustic 12,5 mm is a plasterboard with a high density gypsum core, reinforced with fiberglass, whose surfaces and longitudinal edges are covered with a special multilayer cardboard. The color of the upper face is blue.

Characteristics:

| | | |
|--------------------------------|--------------------------|--------|
| Thickness | 12,5 mm | |
| Width | 1200 mm | |
| Length | 2600 mm/2800 mm/3000 mm | |
| Edge type | tapered (BA) | |
| Weight* | 11,10 kg/ m ² | |
| Density* | 888 kg/m ³ | |
| Classification | type A board | |
| Fire reaction class | A2-s1,d0 | |
| Thermal conductivity | 0,25 W/mK | |
| Longitudinal flexural strength | 550 N | |
| Transverse flexural strength | 210 N | |
| Packaging | 54 boards/pallet | |
| SAP code | length 2600 mm | 124104 |
| | length 2800 mm | 91929 |
| | length 3000 mm | 91930 |

* These values are for information purposes

The board meets the requirements of standard SR EN 520+ A1: 2010.

Uses:

NIDA Acoustic 12,5 mm is mainly intended for partitioning systems with high acoustic performance requirements, and is recommended for the following uses:

- ▶ walls, ceilings, lining of existing walls
- ▶ in residential constructions: ideal for the creation of quiet and healthy living spaces
- ▶ in the commercial sector: ideal for constructions with strict insulation and soundproofing requirements: hospitals, hotels, offices, cinema halls etc.
- ▶ in renovation works: ideal for improving the acoustic performance of existing walls.

Storage and transport:

The high quality of the finish using 12,5 mm plasterboards is ensured subject to observing the following recommendations:

- ▶ the boards should be transported with their lateral edge placed vertically, or using special transportation means (carts, forklifts, trucks)
- ▶ the boards should be stored on pallets or wood spacers, placed at an equal distance of approx. 50 cm. The packs should be stored on dry, smooth floors, so as to prevent damages (deformation or breaking)
- ▶ the boards should be stored and installed inside, at temperatures between 5-40°C, in rooms with relative humidity of maximum 60%
- ▶ the boards which get wet during storage should be completely dried prior to installation. In order to dry, the boards should be placed vertically on a level floor, so as to allow air to flow freely between them
- ▶ the boards should not be stored under direct sunlight for long periods of times
- ▶ when storing the boards, take into account the loadbearing capacity of the floor. E.g. 54 boards with the thickness of 12,5 mm place a weight of about 605 kg/m² on the floor.



Easy to cut,
fix and handle



Technical
performance



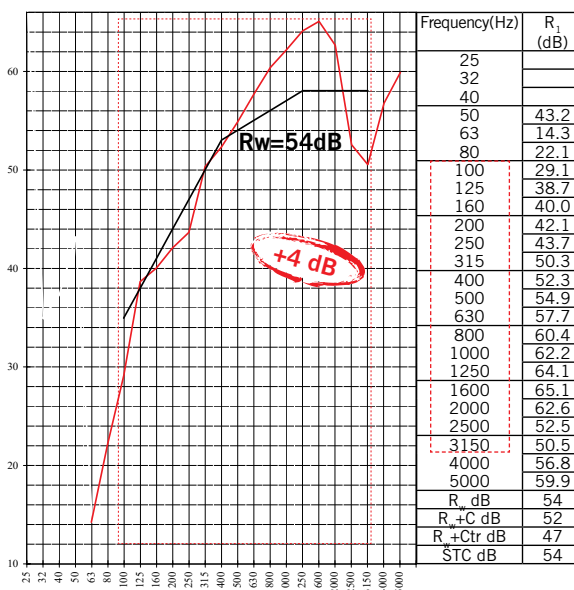
Durability

Protection measures:

NIDA Acoustic 12,5 mm boards are not classified as products with a high hazard degree. When installing the boards, observe the general site-specific health and safety rules. When installing the boards, use proper tools. When cutting the boards, wear helmet, gloves and goggles.

Certification:

Quality management system certified according to SR EN ISO 9001:2008.



Trial report: TDC-09-ACOU-012-Rw of 18.03.2009: for a partition wall type D125/75/60, made of 2 NIDA Acoustic 12,5 mm plasterboards on each face of the metal structure, consisting of CW75 profiles at an interaxis distance of 600mm, lined with a 50-mm thick fiberglass layer, the resulting acoustic insulation is $R_w=54 \text{ dB}^* + 4 \text{ dB}$ compared to a standard system D125/75 ($R_w= 50 \text{ dB}$)