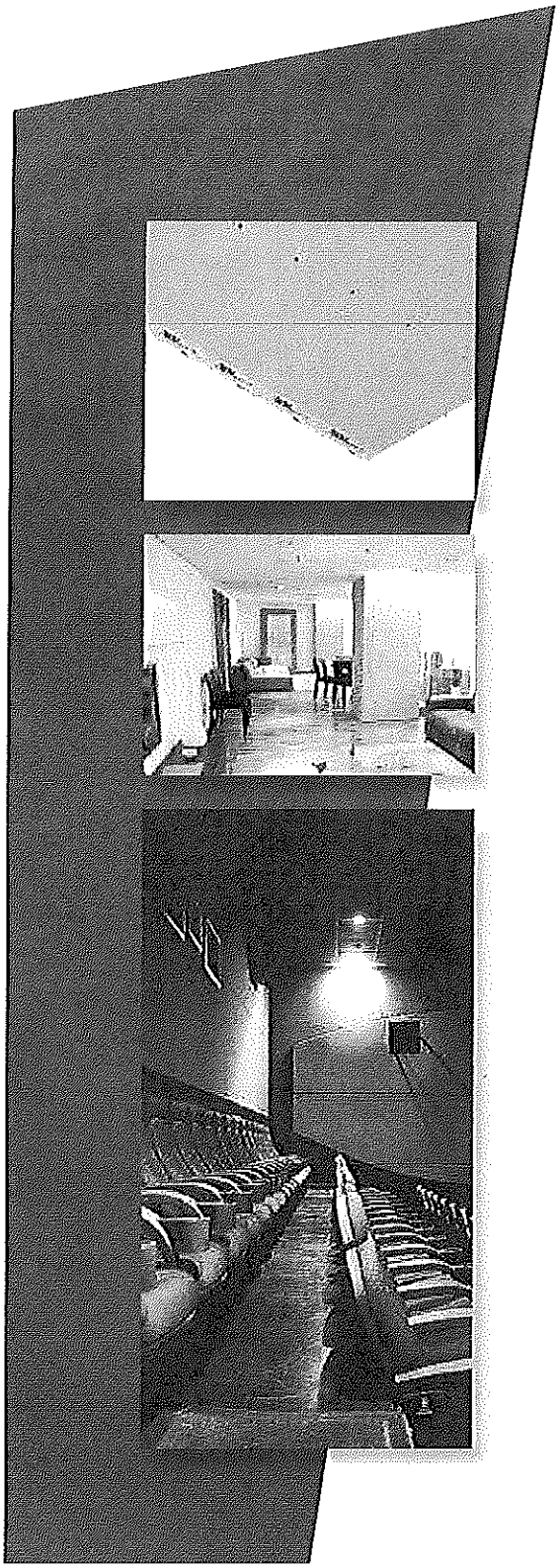
siniat

Plasterboard

NIDA Acustic 12,5

Product Data Sheet



Description:

NIDA Acustic 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	2000 mm/2600 mm
Edge type	tapered (BA)
Weight*	11.00 kg/ m²
Density*	880 kg/m³
Classification	type F board
Fire reaction class	A2-s1,d0
Thermal conductivity	0,25 W/mK
Longitudinal flexural strength	550 N
Transverse flexural strength	210 N
Packaging	58 boards/pallet
SAP code	length 2000 mm 189862 length 2600 mm 136768

* These values are for information purposes
The board meets the requirements of standard SR EN 520+ A1: 2010.

Uses:

NIDA Acustic 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.

siniat

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

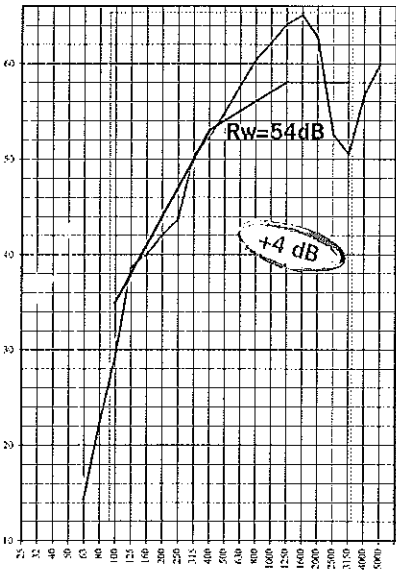
Protection measures:

NIDA Acustic 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.

Technical performance

Certification:

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



Frequente (Hz)	R_1 (dB)
25	
32	
40	
50	43.2
63	14.3
80	22.1
100	29.1
125	38.7
160	40.0
200	42.1
250	43.7
315	50.3
400	52.3
500	54.9
630	57.7
800	60.4
1000	62.2
1250	64.1
1600	65.1
2000	62.6
2500	52.5
3150	50.5
4000	56.8
5000	59.9
R_dB	54
R_+C dB	52
R_+Ctr dB	47
STC dB	54

Trial report: TDC-09-ACOU-012-Rw of 18.03.2009: for a partition wall type D125/75/60, made of 2 NIDA Acustic 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 Rw=54 dB* + 4 dB compared to a standard system D125/75 (Rw= 50dB)

Durability

CE

Etex Building Performance S.A.
No. 98 Vulturilor street, Romania
5-6 floor, 030857 Bucharest, district 3
Phone: (+4) 031 224 01 00
Fax (+4) 031 224 01 01
www.siniat.ro