

**Certest, s.r.o. Dlhá 191/44, 010 09 Žilina, Slovak Republic**  
Authorised Body by the Slovak Republic National Security Authority No. AOUS 01/2016



CERTEST – Testing & Certification Section

## CERTIFICATE No. 00581/2019

issued on: 02.12.2019

CERTEST - Testing & Certification Section issues this certificate:

- Product name (type): **Anti-burglar Siniat partitions with electrical sockets RC2 acc. EN 1627:2011**  
type: 100A50/Expert+Resistex RC2  
variant(s): Wall type: A, B, C, D. Wall thickness scope 100 ÷ 900 mm.  
(see annex no. 1 of this certificate)
- Applicant  
(trade name and seat): **Siniat Sp. z o.o., Przeclawska 8 st, 03-879 Warszawa, Poland**
- Applicant's  
company Reg. No.: REGON 001412101
- Manufacturer  
(trade name and seat): Siniat Sp. z o.o., Przeclawska 8 st, 03-879 Warszawa, Poland

**This is to certify a conformity of characteristics of the above mentioned product(s) with technical requirements stated in standard(s): EN 1627:2011 - burglary class of resistance RC2, Slovak National Security Authority Test Procedure No. 1/2012 – type 2.**

The Tests results and findings on conformity of the above mentioned product(s) that are given in standard(s) are summarized in the Report No. ZP-0541 dated 02.12.2019. Detailed technical description of the a/m product is mentioned ibid. Relevant technical requirements applied, and the certificate regulations are quoted on the certificate back side.

The Certificate holder is entitled to employ the certification mark „SECURITY TESTED“ of burglary resistant class „RC2„. The product is going to be assigned into SECURITY TESTED database of products and presented on web-site of BURGLARY RESISTANT PRODUCTS.

### Restraint / stipulation of the product usage:

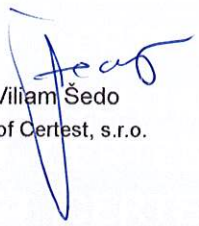
Safety drywall must be installed according to Assembly Instructions.

**Certificate validity:** 3 years starting from the date of issue.



Certification Body Stamp



  
Ing. Viliam Šedo  
Director of Certest, s.r.o.

### Technical requirements applied:

In compliance with methodology of Mechanical Prevention Devices certification procedure some technical specifications (EC directives, EU technical standards, NSA test procedure, other Slovak national standards, or another mandatory statuses that are binding towards use, installation, handling, maintenance, fallout on surroundings, disposal of the products) for the product conformity assessment have been employed as follows:

### EN 1627:2011, Slovak National Security Authority Test Procedure No. 1/2012

Revision i.e. any alteration of the a/m technical specification, or publication of new standards, EU directives, or another prescription that are relevant to conformity assessment of the product shown on the certificate front side, may have an influence upon findings based on which a conformity has been affirmed and this certificate issued.

Such an occurrence come into being, this certificate holder must cooperate with certification body view usability of the certificate for intent of the product conformity declaration issuing already placed on the market, whether relating to a manufacturer or a distributor.

### Rules of the certificate using:

This certificate and the certification mark „**SECURITY TESTED**“ are permitted to employ solely as a certificate of a product which specification is affirmed in the evaluation report, i.e. Report No: - see this certificate front side. That applies to advertising, presentations or commercial purposes as well.

Changing, complementing or overwriting of the data quoted on this certificate is strongly prohibited. Any forbidden using of this certificate, or its unauthorized or misrepresentation use shall mean this certificate original deprivation; and consequently publication of its misusing on the internet web sites.

This certificate and the certification mark „**SECURITY TESTED**“ are not able to employ as a proof of conformity with the technical requirements used, IF there on the product a change having influence on a the conformity has been carried out without an accredited certification body approval, i.e. IF there was any change of the product design, or an intrusion on some components // items that are decisive for a determination of RESISTANCE TO BURGLARY.

The certification body requires from this certificate holder to maintain all of the records on all of the complaints of a rectification, referring to the product(s) mentioned in this certificate.

Case of any change that is different from the product (and its variants) description it is **NECESSARY TO ASSESS AGAIN** if the mentioned product meets the requirements, which this certificate has been issued.

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Authorised Body by the Slovak Republic National Security Authority No. AOUS 01/2016




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## **CERTIFICATE No. 00581/2019**

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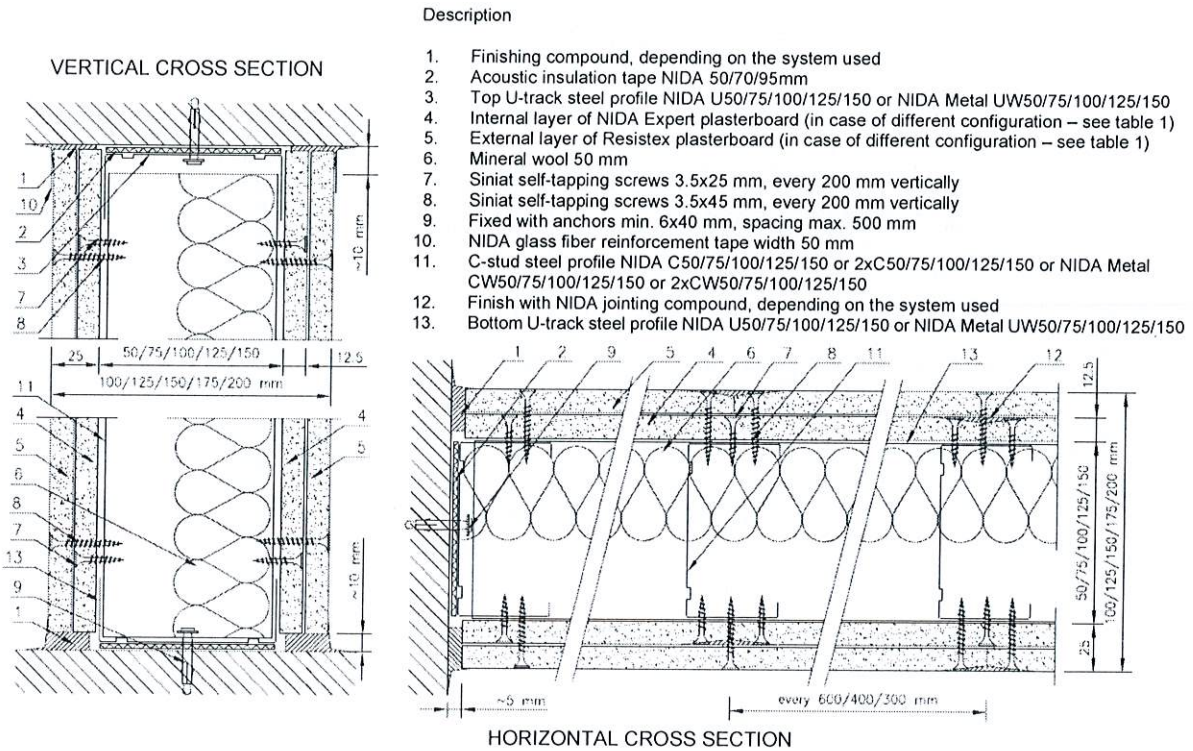
### **Annex no. 1**

Certification Body Stamp

  
Ing. Viliam Sedo  
Director of Certest, s.r.o.

# Variants of anti-burglar non-loadbearing partition walls in class RC2 acc. to EN 1627:2011 (NIDA Expert 1x12.5 mm + Resistex 1x12.5 mm plasterboards)

## 1. Anti-burglar non-loadbearing partition walls with single framework and two layers of boards



**Fig. no. 1.** Vertical and horizontal cross-section of anti-burglar non-loadbearing partition wall with a single framework and two layers of boards.

**Table 1. Possible replacement of boards**

Column 1	Type of board acc. EN 520:2004+A1 2009	Possible replacement of gypsum boards in column 1*
NIDA Expert (SYNIA Expert)	A	NIDA Woda (SYNIA Woda), NIDA Ogień Type F, NIDA RTG, NIDA Ogień Plus, NIDA Woda Ogień Plus, NIDA Cicha, NIDA Ciężka, NIDA Standard, NIDA Acoustic, NIDA Hydro Type H2, NIDA Flam, NIDA Flam Plus, NIDA HydroFlam, NIDA HydroFlam Plus, NIDA Flam Extra, NIDA HydroFlam Extra, Resistex, Resistex H, NIDA Twarda, LaDura, NIDA Hydro Type GMFH1I, Aquaboard
Resistex	DFIR	NIDA Flam Extra, NIDA HydroFlam Extra, Resistex H

\* It is allowed to use boards of the same type of greater thicknesses, provided that their total thickness is not lower than the value shown in table 1.1 col. 5. This can cause a change in partition thickness.

Table № 1.1.

Specification – Anti-burglar non-loadbearing partition walls with a single framework and two layers of boards

No.	NIDA Ściana Siniat Poland coding	NIDA Ściana Siniat Romania coding	Framework <sup>5) 6)</sup>	Lining thickness <sup>1)</sup>	Wall thickness	Maximum wall height "h" <sup>9)</sup>	Internal insulation of wall (thickness)	Type of NIDA board <sup>2)</sup> used internal layer / external layer	Burglar resistance class acc. to EN 1627:2011	
				mm	mm	mm	mm			
<b>Anti-burglar non-loadbearing partition walls with a single framework and two layers of boards</b>										
1	2	3	4	5	6	7	8	9	10	11
1	100A50	D100 CW50@600	C 50	12,5+12,5	100	4500	≥ 50 <sup>7) 8)</sup>	Expert <sup>3)</sup>	Resistex <sup>4)</sup>	RC 2
2	100A50-400	D100 CW50@400	C 50	12,5+12,5	100	5000	≥ 50 <sup>7) 8)</sup>	Expert <sup>3)</sup>	Resistex <sup>4)</sup>	RC 2
3	100A50-300	D100 CW50@300	C 50	12,5+12,5	100	5750	≥ 50 <sup>7) 8)</sup>	Expert <sup>3)</sup>	Resistex <sup>4)</sup>	RC 2
4	100AA50	D100 CW50-H@600	2xC 50	12,5+12,5	100	5500	≥ 50 <sup>7) 8)</sup>	Expert <sup>3)</sup>	Resistex <sup>4)</sup>	RC 2
5	100AA50-400	D100 CW50-H@400	2xC 50	12,5+12,5	100	5750	≥ 50 <sup>7) 8)</sup>	Expert <sup>3)</sup>	Resistex <sup>4)</sup>	RC 2
6	100AA50-300	D100 CW50-H@300	2xC 50	12,5+12,5	100	6750	≥ 50 <sup>7) 8)</sup>	Expert <sup>3)</sup>	Resistex <sup>4)</sup>	RC 2
7	125A75	D125 CW75@600	C 75	12,5+12,5	125	5500	≥ 50 <sup>7) 8)</sup>	Expert <sup>3)</sup>	Resistex <sup>4)</sup>	RC 2
8	125A75-400	D125 CW75@400	C 75	12,5+12,5	125	7000	≥ 50 <sup>7) 8)</sup>	Expert <sup>3)</sup>	Resistex <sup>4)</sup>	RC 2
9	125A75-300	D125 CW75@300	C 75	12,5+12,5	125	8000	≥ 50 <sup>7) 8)</sup>	Expert <sup>3)</sup>	Resistex <sup>4)</sup>	RC 2
10	125AA75	D125 CW75-H@600	2xC 75	12,5+12,5	125	7500	≥ 50 <sup>7) 8)</sup>	Expert <sup>3)</sup>	Resistex <sup>4)</sup>	RC 2
11	125AA75-400	D125 CW75-H@400	2xC 75	12,5+12,5	125	8000	≥ 50 <sup>7) 8)</sup>	Expert <sup>3)</sup>	Resistex <sup>4)</sup>	RC 2
12	125AA75-300	D125 CW75-H@300	2xC 75	12,5+12,5	125	8500	≥ 50 <sup>7) 8)</sup>	Expert <sup>3)</sup>	Resistex <sup>4)</sup>	RC 2
13	150A100	D150 CW100@600	C 100	12,5+12,5	150	6500	≥ 50 <sup>7) 8)</sup>	Expert <sup>3)</sup>	Resistex <sup>4)</sup>	RC 2
14	150A100-400	D150 CW100@400	C 100	12,5+12,5	150	8250	≥ 50 <sup>7) 8)</sup>	Expert <sup>3)</sup>	Resistex <sup>4)</sup>	RC 2
15	150A100-300	D150 CW100@300	C 100	12,5+12,5	150	9000	≥ 50 <sup>7) 8)</sup>	Expert <sup>3)</sup>	Resistex <sup>4)</sup>	RC 2
16	150AA100	D150 CW100-H@600	2xC 100	12,5+12,5	150	9000	≥ 50 <sup>7) 8)</sup>	Expert <sup>3)</sup>	Resistex <sup>4)</sup>	RC 2
17	150AA100-400	D150 CW100-H@400	2xC 100	12,5+12,5	150	10250	≥ 50 <sup>7) 8)</sup>	Expert <sup>3)</sup>	Resistex <sup>4)</sup>	RC 2
18	150AA100-300	D150 CW100-H@300	2xC 100	12,5+12,5	150	11000	≥ 50 <sup>7) 8)</sup>	Expert <sup>3)</sup>	Resistex <sup>4)</sup>	RC 2
19	175A125	D175 CW125@600	C 125	12,5+12,5	175	6500	≥ 50 <sup>7) 8)</sup>	Expert <sup>3)</sup>	Resistex <sup>4)</sup>	RC 2
20	175A125-400	D175 CW125@400	C 125	12,5+12,5	175	8250	≥ 50 <sup>7) 8)</sup>	Expert <sup>3)</sup>	Resistex <sup>4)</sup>	RC 2
21	175A125-300	D175 CW125@300	C 125	12,5+12,5	175	9000	≥ 50 <sup>7) 8)</sup>	Expert <sup>3)</sup>	Resistex <sup>4)</sup>	RC 2
22	175AA125	D175 CW125-H@600	2xC 125	12,5+12,5	175	9000	≥ 50 <sup>7) 8)</sup>	Expert <sup>3)</sup>	Resistex <sup>4)</sup>	RC 2
23	175AA125-400	D175 CW125-H@400	2xC 125	12,5+12,5	175	10250	≥ 50 <sup>7) 8)</sup>	Expert <sup>3)</sup>	Resistex <sup>4)</sup>	RC 2
24	175AA125-300	D175 CW125-H@300	2xC 125	12,5+12,5	175	11000	≥ 50 <sup>7) 8)</sup>	Expert <sup>3)</sup>	Resistex <sup>4)</sup>	RC 2

Table № 1.1. continued

Specification – Anti-burglar non-loadbearing partition walls with a single framework and two layers of boards

No.	NIDA Ściana Siniat Poland coding	NIDA Ściana Siniat Romania coding	Framework <sup>5) 6)</sup>	Lining thickness <sup>1)</sup>	Wall thickness	Maximum wall height "h" <sup>7) 9)</sup>	Internal insulation of wall (thickness)	Type of NIDA board <sup>2)</sup> used internal layer / external layer	Burglar resistance class acc. to EN 1627:2011	
				mm	mm	mm	mm			
Anti-burglar non-loadbearing partition walls with a single framework and two layers of boards										
1	2	3	4	5	6	7	8	9	10	11
25	200A150	D200 CW150@600	C 150	12,5+12,5	200	6500	≥ 50 <sup>7) 8)</sup>	Expert <sup>3)</sup>	Resistex <sup>4)</sup>	RC 2
26	200A150-400	D200 CW150@400	C 150	12,5+12,5	200	8250	≥ 50 <sup>7) 8)</sup>	Expert <sup>3)</sup>	Resistex <sup>4)</sup>	RC 2
27	200A150-300	D200 CW150@300	C 150	12,5+12,5	200	9000	≥ 50 <sup>7) 8)</sup>	Expert <sup>3)</sup>	Resistex <sup>4)</sup>	RC 2
28	200AA150	D200 CW150-H@600	2xC 150	12,5+12,5	200	9000	≥ 50 <sup>7) 8)</sup>	Expert <sup>3)</sup>	Resistex <sup>4)</sup>	RC 2
29	200AA150-400	D200 CW150-H@400	2xC 150	12,5+12,5	200	10250	≥ 50 <sup>7) 8)</sup>	Expert <sup>3)</sup>	Resistex <sup>4)</sup>	RC 2
30	200AA150-300	D200 CW150-H@300	2xC 150	12,5+12,5	200	11000	≥ 50 <sup>7) 8)</sup>	Expert <sup>3)</sup>	Resistex <sup>4)</sup>	RC 2

Notes:

- 1) It is allowed to use boards of the same type of greater thicknesses, provided that their total thickness is not lower than the value shown in table 1.1 column 5. This can cause a change in partition thickness.
- 2) Minimal mass of the boards: plasterboards: NIDA Expert 12.5 mm – 8.0 kg/m<sup>2</sup>, SYNIA Expert 12.5 mm – 8.0 kg/m<sup>2</sup>, NIDA Woda 12.5 mm – 8.0 kg/m<sup>2</sup>, SYNIA Woda 12.5 mm – 8.0 kg/m<sup>2</sup>, NIDA Ogień Type F 12.5 mm – 8.6 kg/m<sup>2</sup>, NIDA Ogień Plus 12.5 mm – 10.0 kg/m<sup>2</sup>, NIDA Woda Ogień Plus 12.5 mm – 10.0 kg/m<sup>2</sup>, NIDA RTG 12.5 mm – 15.9 kg/m<sup>2</sup>, NIDA Cicha 12.5 mm – 12.8 kg/m<sup>2</sup>, NIDA Ciężka 12.5 mm – 12.8 kg/m<sup>2</sup>, NIDA Standard 12.5 mm – 7.5 kg/m<sup>2</sup>, NIDA Acoustic 12.5 mm – 11.2 kg/m<sup>2</sup>, NIDA Hydro (Type H2) 12.5 mm – 8.2 kg/m<sup>2</sup>, NIDA Flam 12.5 mm – 11.2 kg/m<sup>2</sup>, NIDA HydroFlam 12.5 mm – 11.2 kg/m<sup>2</sup>, NIDA Flam Plus 12.5 mm – 11.2 kg/m<sup>2</sup>, NIDA HydroFlam Plus 12.5 mm – 11.2 kg/m<sup>2</sup>, NIDA Flam Extra 15 mm – 12.2 kg/m<sup>2</sup>, NIDA HydroFlam Extra 15 mm – 12.2 kg/m<sup>2</sup>, Resistex 12.5 mm – 11.2 kg/m<sup>2</sup>, Resistex H 12.5 mm – 11.2 kg/m<sup>2</sup>; plaster-fiber boards: NIDA Hydro (Type GMFH11) 12.5 mm – 10.8 kg/m<sup>2</sup>, Aquaboard 12.5 mm – 10.8 kg/m<sup>2</sup>; plaster-particle boards with fibers: NIDA Twarda 12.5 mm – 12.8 kg/m<sup>2</sup>, LaDura 12.5 mm – 12.8 kg/m<sup>2</sup>.
- 3) Alternatively and in any configuration, apply the NIDA Woda (SYNIA Woda), NIDA Ogień Type F, NIDA RTG, NIDA Ogień Plus, NIDA Woda Ogień Plus, NIDA Cicha, NIDA Ciężka, NIDA Standard, NIDA Acoustic, NIDA Hydro Type H2, NIDA Flam, NIDA Flam Plus, NIDA HydroFlam, NIDA HydroFlam Plus, NIDA Flam Extra, NIDA HydroFlam Extra, Resistex H plasterboards, NIDA Twarda, LaDura plaster-particle boards with fibers, NIDA Hydro Type GMFH11, Aquaboard plaster-fiber boards.
- 4) Alternatively and in any configuration, apply the NIDA Flam Extra, NIDA HydroFlam Extra, Resistex H plasterboards.
- 5) In the case of chemically aggressive environment, which is humid or wet for a prolonged period of time, it is advised to use accessories for the corrosion categories C3 or C5.
- 6) It is allowed to use all types of metal profiles of increased gauge thickness.
- 7) It is allowed to use all types of mineral wool made of glass or rock fibers in variety of thickness and density, which met fire resistance and acoustic requirements.
- 8) In case of absence of necessity of meet fire resistance and acoustic requirements, it is allowed to use an air gap.
- 9) The maximum heights "h" given in column 7, concern walls without fire resistance, according to Technical Opinion No. ITB-01060/11/R12NK – part 1.

## 2. Anti-burglar non-loadbearing partition walls with double framework (rows of adjoined profiles) and two layers of boards

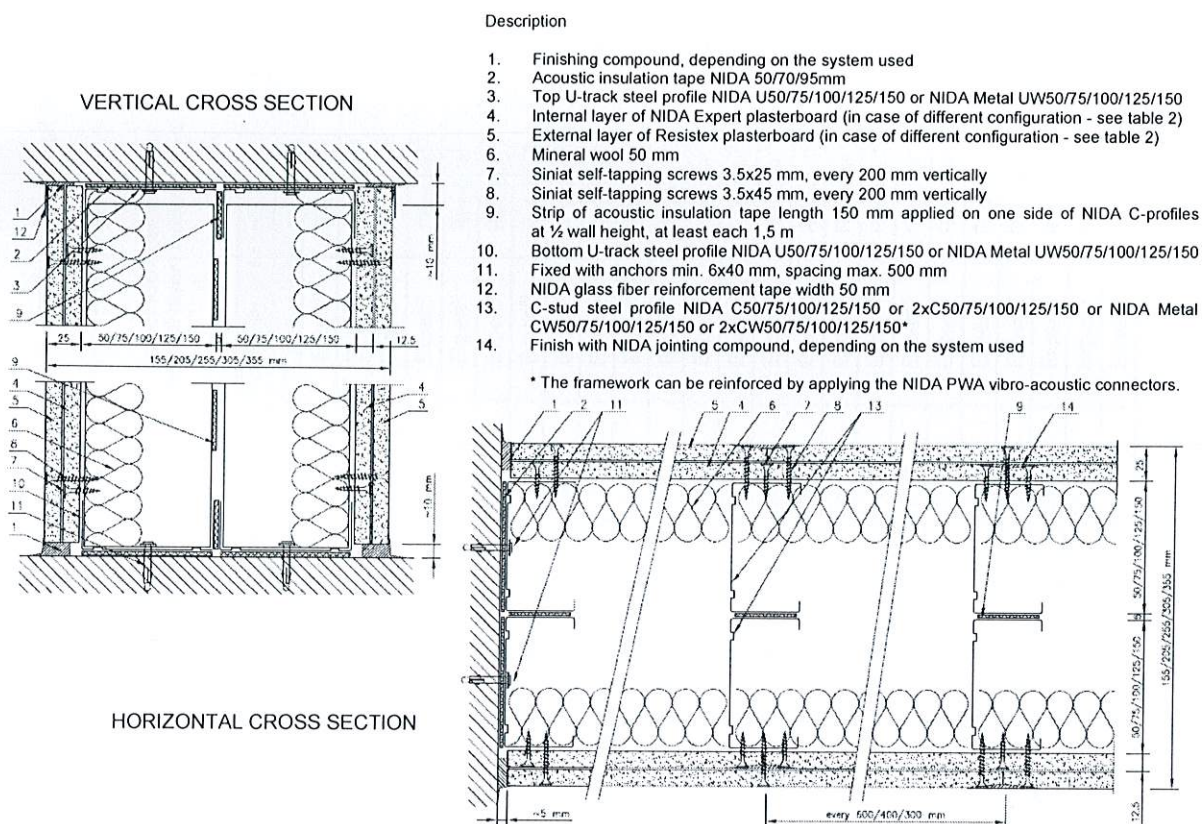


Fig. no. 2. Vertical and horizontal cross-section of anti-burglar non-loadbearing partition wall with double framework (rows of adjoined profiles) and two layers of boards.

Table 2. Possible replacement of boards

Column 1	Type of board acc. EN 520:2004+A1 2009	Possible replacement of gypsum boards in column 1*
NIDA Expert (SYNIA Expert)	A	NIDA Woda (SYNIA Woda), NIDA Ogień Type F, NIDA RTG, NIDA Ogień Plus, NIDA Woda Ogień Plus, NIDA Cicha, NIDA Ciężka, NIDA Standard, NIDA Acoustic, NIDA Hydro Type H2, NIDA Flam, NIDA Flam Plus, NIDA HydroFlam, NIDA HydroFlam Plus, NIDA Flam Extra, NIDA HydroFlam Extra, Resistex, Resistex H, NIDA Twarda, LaDura, NIDA Hydro Type GMFH11, Aquaboard
Resistex	DFIR	NIDA Flam Extra, NIDA HydroFlam Extra, Resistex H

\* It is allowed to use boards of the same type of greater thicknesses, provided that their total thickness is not lower than the value shown in tables 2.1 col 5. This can cause a change in partition thickness.

**Table No 2.1.**

Specification – Anti-burglar non-loadbearing partition walls with double framework (rows of adjoined profiles) and two layers of boards

No.	NIDA Ściana Siniat Poland coding	NIDA Ściana Siniat Romania coding	Framework <sup>5) 6)</sup>	Lining thickness <sup>1)</sup>	Wall thickness	Maximum wall height "h" <sup>9)</sup>	Internal insulation of wall (thickness)	Type of NIDA board <sup>2)</sup> used internal layer / external layer	Burglar resistance class acc. to EN 1627:2011	
				mm	mm	mm	mm			
<b>Anti-burglar non-loadbearing partition walls with double framework (rows of adjoined profiles) and two layers of boards</b>										
1	2	3	4	5	6	7	8	9	10	11
1	155B50	S155 CW50@600	C 50	12,5+12,5	155	4500	≥ 50 <sup>7) 8)</sup>	Expert <sup>3)</sup>	Resistex <sup>4)</sup>	RC 2
2	155B50-400	S155 CW50@400	C 50	12,5+12,5	155	4730	≥ 50 <sup>7) 8)</sup>	Expert <sup>3)</sup>	Resistex <sup>4)</sup>	RC 2
3	155B50-300	S155 CW50@300	C 50	12,5+12,5	155	5200	≥ 50 <sup>7) 8)</sup>	Expert <sup>3)</sup>	Resistex <sup>4)</sup>	RC 2
4	155B50/PWA	S155 CW50@600/PWA	C 50	12,5+12,5	155	5500	≥ 50 <sup>7) 8)</sup>	Expert <sup>3)</sup>	Resistex <sup>4)</sup>	RC 2
5	155B50-400/PWA	S155 CW50@400/PWA	C 50	12,5+12,5	155	5700	≥ 50 <sup>7) 8)</sup>	Expert <sup>3)</sup>	Resistex <sup>4)</sup>	RC 2
6	155B50-300/PWA	S155 CW50@300/PWA	C 50	12,5+12,5	155	5900	≥ 50 <sup>7) 8)</sup>	Expert <sup>3)</sup>	Resistex <sup>4)</sup>	RC 2
7	155BB50	S155 CW50-H@600	2xC 50	12,5+12,5	155	5500	≥ 50 <sup>7) 8)</sup>	Expert <sup>3)</sup>	Resistex <sup>4)</sup>	RC 2
8	155BB50-400	S155 CW50-H@400	2xC 50	12,5+12,5	155	5780	≥ 50 <sup>7) 8)</sup>	Expert <sup>3)</sup>	Resistex <sup>4)</sup>	RC 2
9	155BB50-300	S155 CW50-H@300	2xC 50	12,5+12,5	155	6060	≥ 50 <sup>7) 8)</sup>	Expert <sup>3)</sup>	Resistex <sup>4)</sup>	RC 2
10	155BB50/PWA	S155 CW50-@600/PWA	2xC 50	12,5+12,5	155	6330	≥ 50 <sup>7) 8)</sup>	Expert <sup>3)</sup>	Resistex <sup>4)</sup>	RC 2
11	155BB50-400/PWA	S155 CW50H@400/PWA	2xC 50	12,5+12,5	155	6560	≥ 50 <sup>7) 8)</sup>	Expert <sup>3)</sup>	Resistex <sup>4)</sup>	RC 2
12	155BB50-300/PWA	S155 CW50-H@300/PWA	2xC 50	12,5+12,5	155	6790	≥ 50 <sup>7) 8)</sup>	Expert <sup>3)</sup>	Resistex <sup>4)</sup>	RC 2
13	205B75	S205 CW75@600	C 75	12,5+12,5	205	6000	≥ 50 <sup>7) 8)</sup>	Expert <sup>3)</sup>	Resistex <sup>4)</sup>	RC 2
14	205B75-400	S205 CW75@400	C 75	12,5+12,5	205	6300	≥ 50 <sup>7) 8)</sup>	Expert <sup>3)</sup>	Resistex <sup>4)</sup>	RC 2
15	205B75-300	S205 CW75@300	C 75	12,5+12,5	205	6430	≥ 50 <sup>7) 8)</sup>	Expert <sup>3)</sup>	Resistex <sup>4)</sup>	RC 2
16	205B75/PWA	S205 CW75@600/PWA	C 75	12,5+12,5	205	6200	≥ 50 <sup>7) 8)</sup>	Expert <sup>3)</sup>	Resistex <sup>4)</sup>	RC 2
17	205B75-400/PWA	S205 CW75@400/PWA	C 75	12,5+12,5	205	6510	≥ 50 <sup>7) 8)</sup>	Expert <sup>3)</sup>	Resistex <sup>4)</sup>	RC 2
18	205B75-300/PWA	S205 CW75@300/PWA	C 75	12,5+12,5	205	6840	≥ 50 <sup>7) 8)</sup>	Expert <sup>3)</sup>	Resistex <sup>4)</sup>	RC 2
19	205BB75	S205 CW75-H@600	2xC 75	12,5+12,5	205	6500	≥ 50 <sup>7) 8)</sup>	Expert <sup>3)</sup>	Resistex <sup>4)</sup>	RC 2
20	205BB75-400	S205 CW75-H@400	2xC 75	12,5+12,5	205	6630	≥ 50 <sup>7) 8)</sup>	Expert <sup>3)</sup>	Resistex <sup>4)</sup>	RC 2
21	205BB75-300	S205 CW75-H@300	2xC 75	12,5+12,5	205	6760	≥ 50 <sup>7) 8)</sup>	Expert <sup>3)</sup>	Resistex <sup>4)</sup>	RC 2
22	205BB75/PWA	S205 CW75-H@600/PWA	2xC 75	12,5+12,5	205	6970	≥ 50 <sup>7) 8)</sup>	Expert <sup>3)</sup>	Resistex <sup>4)</sup>	RC 2
23	205BB75-400/PWA	S205 CW75-H@400/PWA	2xC 75	12,5+12,5	205	7180	≥ 50 <sup>7) 8)</sup>	Expert <sup>3)</sup>	Resistex <sup>4)</sup>	RC 2
24	205BB75-300/PWA	S205 CW75-H@300/PWA	2xC 75	12,5+12,5	205	7400	≥ 50 <sup>7) 8)</sup>	Expert <sup>3)</sup>	Resistex <sup>4)</sup>	RC 2



**Table № 2.1. continued**

Specification – Anti-burglar non-loadbearing partition walls with double framework (rows of adjoined profiles) and two layers of boards

No.	NIDA Ściana Siniat Poland coding	NIDA Ściana Siniat Romania coding	Framework <sup>5) 6)</sup>	Lining thickness <sup>1)</sup>	Wall thickness	Maximum wall height "h" <sup>9)</sup>	Internal insulation of wall (thickness)	Type of NIDA board <sup>2)</sup> used internal layer / external layer	Burglar resistance class acc. to EN 1627:2011	
				mm	mm	mm	mm			
Anti-burglar non-loadbearing partition walls with double framework (rows of adjoined profiles) and two layers of boards										
1	2	3	4	5	6	7	8	9	10	11
25	255B100	S255 CW100@600	C 100	12,5+12,5	255	6500	≥ 50 <sup>7) 8)</sup>	Expert <sup>3)</sup>	Resistex <sup>4)</sup>	RC 2
26	255B100-400	S255 CW100@400	C 100	12,5+12,5	255	6700	≥ 50 <sup>7) 8)</sup>	Expert <sup>3)</sup>	Resistex <sup>4)</sup>	RC 2
27	255B100-300	S255 CW100@300	C 100	12,5+12,5	255	6830	≥ 50 <sup>7) 8)</sup>	Expert <sup>3)</sup>	Resistex <sup>4)</sup>	RC 2
28	255B100/PWA	S255 CW100@600/PWA	C 100	12,5+12,5	255	6700	≥ 50 <sup>7) 8)</sup>	Expert <sup>3)</sup>	Resistex <sup>4)</sup>	RC 2
29	255B100-400/PWA	S255 CW100@400/PWA	C 100	12,5+12,5	255	7030	≥ 50 <sup>7) 8)</sup>	Expert <sup>3)</sup>	Resistex <sup>4)</sup>	RC 2
30	255B100-300/PWA	S255 CW100@300/PWA	C 100	12,5+12,5	255	7240	≥ 50 <sup>7) 8)</sup>	Expert <sup>3)</sup>	Resistex <sup>4)</sup>	RC 2
31	255BB100	S255 CW100-H@600	2xC 100	12,5+12,5	255	7000	≥ 50 <sup>7) 8)</sup>	Expert <sup>3)</sup>	Resistex <sup>4)</sup>	RC 2
32	255BB100-400	S255 CW100-H@400	2xC 100	12,5+12,5	255	7210	≥ 50 <sup>7) 8)</sup>	Expert <sup>3)</sup>	Resistex <sup>4)</sup>	RC 2
33	255BB100-300	S255 CW100-H@300	2xC 100	12,5+12,5	255	7350	≥ 50 <sup>7) 8)</sup>	Expert <sup>3)</sup>	Resistex <sup>4)</sup>	RC 2
34	255BB100/PWA	S255 CW100-H@600/PWA	2xC 100	12,5+12,5	255	7160	≥ 50 <sup>7) 8)</sup>	Expert <sup>3)</sup>	Resistex <sup>4)</sup>	RC 2
35	255BB100-400/PWA	S255 CW100-H@400/PWA	2xC 100	12,5+12,5	255	7520	≥ 50 <sup>7) 8)</sup>	Expert <sup>3)</sup>	Resistex <sup>4)</sup>	RC 2
36	255BB100-300/PWA	S255 CW100-H@300/PWA	2xC 100	12,5+12,5	255	7750	≥ 50 <sup>7) 8)</sup>	Expert <sup>3)</sup>	Resistex <sup>4)</sup>	RC 2
37	305B125	S305 CW125@600	C 125	12,5+12,5	305	6500	≥ 50 <sup>7) 8)</sup>	Expert <sup>3)</sup>	Resistex <sup>4)</sup>	RC 2
38	305B125-400	S305 CW125@400	C 125	12,5+12,5	305	6700	≥ 50 <sup>7) 8)</sup>	Expert <sup>3)</sup>	Resistex <sup>4)</sup>	RC 2
39	305B125-300	S305 CW125@300	C 125	12,5+12,5	305	6830	≥ 50 <sup>7) 8)</sup>	Expert <sup>3)</sup>	Resistex <sup>4)</sup>	RC 2
40	305B125/PWA	S305 CW125@600/PWA	C 125	12,5+12,5	305	6700	≥ 50 <sup>7) 8)</sup>	Expert <sup>3)</sup>	Resistex <sup>4)</sup>	RC 2
41	305B125-400/PWA	S305 CW125@400/PWA	C 125	12,5+12,5	305	7030	≥ 50 <sup>7) 8)</sup>	Expert <sup>3)</sup>	Resistex <sup>4)</sup>	RC 2
42	305B125-300/PWA	S305 CW125@300/PWA	C 125	12,5+12,5	305	7240	≥ 50 <sup>7) 8)</sup>	Expert <sup>3)</sup>	Resistex <sup>4)</sup>	RC 2
43	305BB125	S305 CW125-H@600	2xC 125	12,5+12,5	305	7000	≥ 50 <sup>7) 8)</sup>	Expert <sup>3)</sup>	Resistex <sup>4)</sup>	RC 2
44	305BB125-400	S305 CW125-H@400	2xC 125	12,5+12,5	305	7210	≥ 50 <sup>7) 8)</sup>	Expert <sup>3)</sup>	Resistex <sup>4)</sup>	RC 2
45	305BB125-300	S305 CW125-H@300	2xC 125	12,5+12,5	305	7350	≥ 50 <sup>7) 8)</sup>	Expert <sup>3)</sup>	Resistex <sup>4)</sup>	RC 2
46	305BB125/PWA	S305 CW125-H@600/PWA	2xC 125	12,5+12,5	305	7160	≥ 50 <sup>7) 8)</sup>	Expert <sup>3)</sup>	Resistex <sup>4)</sup>	RC 2
47	305BB125-400/PWA	S305 CW125-H@400/PWA	2xC 125	12,5+12,5	305	7520	≥ 50 <sup>7) 8)</sup>	Expert <sup>3)</sup>	Resistex <sup>4)</sup>	RC 2
48	305BB125-300/PWA	S305 CW125-H@300/PWA	2xC 125	12,5+12,5	305	7750	≥ 50 <sup>7) 8)</sup>	Expert <sup>3)</sup>	Resistex <sup>4)</sup>	RC 2

**Table № 2.1. continued**

Specification – Anti-burglar non-loadbearing partition walls with double framework (rows of adjoined profiles) and two layers of boards

No.	NIDA Ściana Siniat Poland coding	NIDA Ściana Siniat Romania coding	Framework <sup>5) 6)</sup>	Lining thickness <sup>1)</sup>	Wall thickness	Maximum wall height "h" <sup>9)</sup>	Internal insulation of wall (thickness)	Type of NIDA board <sup>2)</sup> used internal layer / external layer	Burglar resistance class acc. to EN 1627:2011	
				mm	mm	mm	mm			
<b>Anti-burglar non-loadbearing partition walls with double framework (rows of adjoined profiles) and two layers of boards</b>										
1	2	3	4	5	6	7	8	9	10	11
49	355B100	S355 CW150@600	C 150	12,5+12,5	355	6500	≥ 50 <sup>7) 8)</sup>	Expert <sup>3)</sup>	Resistex <sup>4)</sup>	RC 2
50	355B100-400	S355 CW150@400	C 150	12,5+12,5	355	6700	≥ 50 <sup>7) 8)</sup>	Expert <sup>3)</sup>	Resistex <sup>4)</sup>	RC 2
51	355B100-300	S355 CW150@300	C 150	12,5+12,5	355	6830	≥ 50 <sup>7) 8)</sup>	Expert <sup>3)</sup>	Resistex <sup>4)</sup>	RC 2
52	355B100/PWA	S355 CW150@600/PWA	C 150	12,5+12,5	355	6700	≥ 50 <sup>7) 8)</sup>	Expert <sup>3)</sup>	Resistex <sup>4)</sup>	RC 2
53	355B100-400/PWA	S355 CW150@400/PWA	C 150	12,5+12,5	355	7030	≥ 50 <sup>7) 8)</sup>	Expert <sup>3)</sup>	Resistex <sup>4)</sup>	RC 2
54	355B100-300/PWA	S355 CW150@300/PWA	C 150	12,5+12,5	355	7240	≥ 50 <sup>7) 8)</sup>	Expert <sup>3)</sup>	Resistex <sup>4)</sup>	RC 2
55	355BB100	S355 CW150-H@600	2xC 150	12,5+12,5	355	7000	≥ 50 <sup>7) 8)</sup>	Expert <sup>3)</sup>	Resistex <sup>4)</sup>	RC 2
56	355BB100-400	S355 CW150-H@400	2xC 150	12,5+12,5	355	7210	≥ 50 <sup>7) 8)</sup>	Expert <sup>3)</sup>	Resistex <sup>4)</sup>	RC 2
57	355BB100-300	S355 CW150-H@300	2xC 150	12,5+12,5	355	7350	≥ 50 <sup>7) 8)</sup>	Expert <sup>3)</sup>	Resistex <sup>4)</sup>	RC 2
58	355BB100/PWA	S355 CW150-H@600/PWA	2xC 150	12,5+12,5	355	7160	≥ 50 <sup>7) 8)</sup>	Expert <sup>3)</sup>	Resistex <sup>4)</sup>	RC 2
59	355BB100-400/PWA	S355 CW150-H@400/PWA	2xC 150	12,5+12,5	355	7520	≥ 50 <sup>7) 8)</sup>	Expert <sup>3)</sup>	Resistex <sup>4)</sup>	RC 2
60	355BB100-300/PWA	S355 CW150-H@300/PWA	2xC 150	12,5+12,5	355	7750	≥ 50 <sup>7) 8)</sup>	Expert <sup>3)</sup>	Resistex <sup>4)</sup>	RC 2

Notes:

- 1) It is allowed to use boards of the same type of greater thicknesses, provided that their total thickness is not lower than the value shown in table 2.1 column 5. This can cause a change in partition thickness.
- 2) Minimal mass of the boards: plasterboards: NIDA Expert 12.5 mm – 8.0 kg/m<sup>2</sup>, SYNIA Expert 12.5 mm – 8.0 kg/m<sup>2</sup>, NIDA Woda 12.5 mm – 8.0 kg/m<sup>2</sup>, SYNIA Woda 12.5 mm – 8.0 kg/m<sup>2</sup>, NIDA Ogień Type F 12.5 mm – 8.6 kg/m<sup>2</sup>, NIDA Ogień Plus 12.5 mm – 10.0 kg/m<sup>2</sup>, NIDA Woda Ogień Plus 12.5 mm – 10.0 kg/m<sup>2</sup>, NIDA RTG 12.5 mm – 15.9 kg/m<sup>2</sup>, NIDA Cicha 12.5 mm – 12.8 kg/m<sup>2</sup>, NIDA Ciężka 12.5 mm – 12.8 kg/m<sup>2</sup>, NIDA Standard 12.5 mm – 7.5 kg/m<sup>2</sup>, NIDA Acoustic 12.5 mm – 11.2 kg/m<sup>2</sup>, NIDA Hydro (Type H2) 12.5 mm – 8.2 kg/m<sup>2</sup>, NIDA Flam 12.5 mm – 11.2 kg/m<sup>2</sup>, NIDA HydroFlam 12.5 mm – 11.2 kg/m<sup>2</sup>, NIDA Flam Plus 12.5 mm – 11.2 kg/m<sup>2</sup>, NIDA HydroFlam Plus 12.5 mm – 11.2 kg/m<sup>2</sup>, NIDA Flam Extra 15 mm – 12.2 kg/m<sup>2</sup>, NIDA HydroFlam Extra 15 mm – 12.2 kg/m<sup>2</sup>, Resistex 12.5 mm – 11.2 kg/m<sup>2</sup>, Resistex H 12.5 mm – 11.2 kg/m<sup>2</sup>; plaster-fiber boards: NIDA Hydro (Type GMFH11) 12.5 mm – 10.8 kg/m<sup>2</sup>, Aquaboard 12.5 mm – 10.8 kg/m<sup>2</sup>; plaster-particle boards with fibers: NIDA Twarda 12.5 mm – 12.8 kg/m<sup>2</sup>, LaDura 12.5 mm – 12.8 kg/m<sup>2</sup>.
- 3) Alternatively and in any configuration, apply the NIDA Woda (SYNIA Woda), NIDA Ogień Type F, NIDA RTG, NIDA Ogień Plus, NIDA Woda Ogień Plus, NIDA Cicha, NIDA Ciężka, NIDA Standard, NIDA Acoustic, NIDA Hydro Type H2, NIDA Flam, NIDA Flam Plus, NIDA HydroFlam, NIDA HydroFlam Plus, NIDA Flam Extra, NIDA HydroFlam Extra, Resistex, Resistex H plasterboards, NIDA Twarda, LaDura plaster-particle boards with fibers, NIDA Hydro Type GMFH11, Aquaboard plaster-fiber boards.
- 4) Alternatively and in any configuration, apply the NIDA Flam Extra, NIDA HydroFlam Extra, Resistex H plasterboards.
- 5) In the case of chemically aggressive environment, which is humid or wet for a prolonged period of time, it is advised to use accessories for the corrosion categories C3 or C5.
- 6) It is allowed to use all types of metal profiles of increased gauge thickness.
- 7) It is allowed to use all types of mineral wool made of glass or rock fibers in variety of thickness and density, which met fire resistance and acoustic requirements.
- 8) In case of absence of necessity of meet fire resistance and acoustic requirements, it is allowed to use an air gap.
- 9) The maximum heights "h" given in column 7, concern walls without fire resistance, according to Technical Opinion No. ITB-1060/12/R48NK.

### 3. Anti-burglar non-loadbearing partition walls with double framework (rows of profiles separated) and two layers of boards

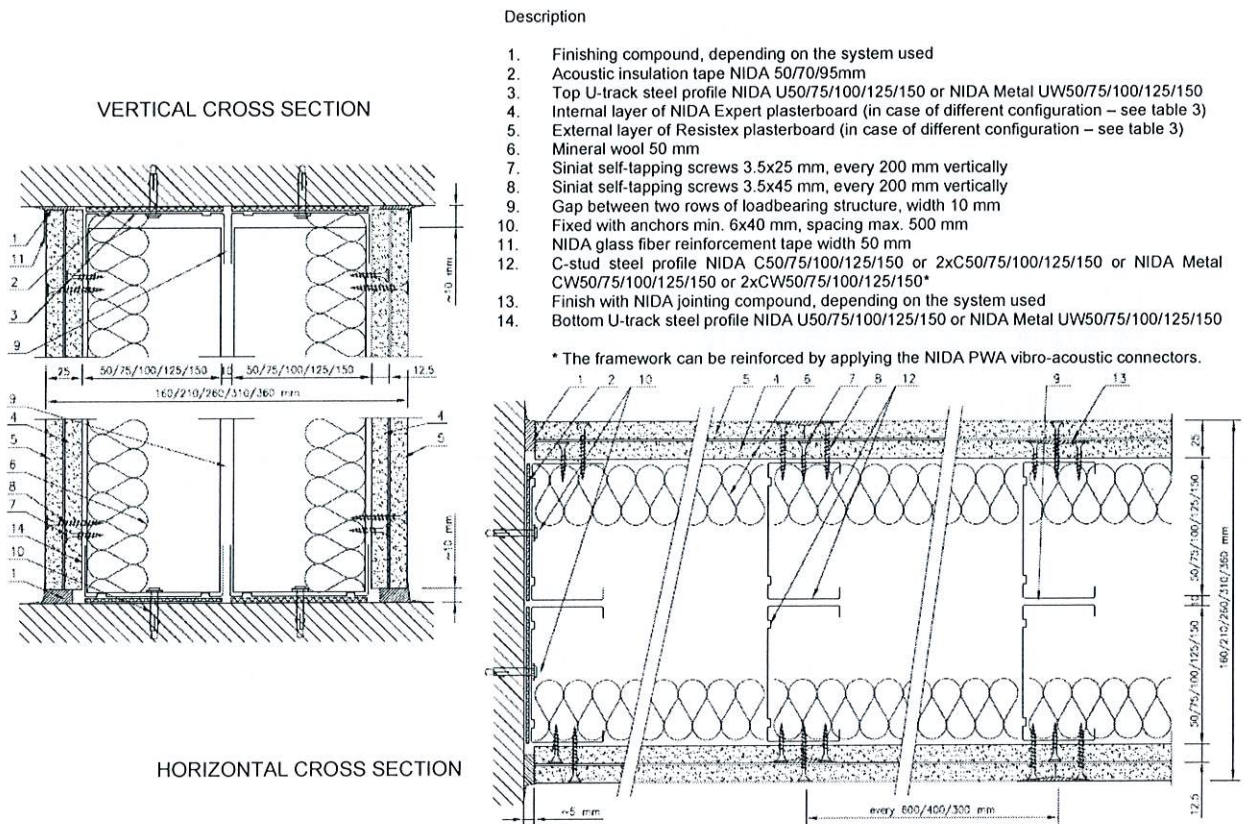


Fig. no. 3. Vertical and horizontal cross-section of anti-burglar non-loadbearing partition wall with double framework (rows of profiles separated) and two layers of boards.

Table 3. Possible replacement of boards

Column 1	Type of board acc. EN 520:2004+A1 2009	Possible replacement of gypsum boards in column 1*
NIDA Expert (SYNIA Expert)	A	NIDA Woda (SYNIA Woda), NIDA Ogień Type F, NIDA RTG, NIDA Ogień Plus, NIDA Woda Ogień Plus, NIDA Cicha, NIDA Ciężka, NIDA Standard, NIDA Acoustic, NIDA Hydro Type H2, NIDA Flam, NIDA Flam Plus, NIDA HydroFlam, NIDA HydroFlam Plus, NIDA Flam Extra, NIDA HydroFlam Extra, Resistex, Resistex H, NIDA Twarda, LaDura, NIDA Hydro Type GMFH11, Aquaboard
Resistex	DFIR	NIDA Flam Extra, NIDA HydroFlam Extra, Resistex H

\* It is allowed to use boards of the same type of greater thicknesses, provided that their total thickness is not lower than the value shown in tables 3.1 col. 5. This can cause a change in partition thickness.

**Table № 3.1.**

Specification – Anti-burglar non-loadbearing partition walls with double framework (rows of profiles separated) and two layers of boards

No.	NIDA Ściana Siniat Poland coding	NIDA Ściana Siniat Romania coding	Framework <sup>5) 6)</sup>	Lining thickness <sup>1)</sup>	Wall thickness	Maximum wall height "h" <sup>9)</sup>	Internal insulation of wall (thickness)	Type of NIDA board <sup>2)</sup> used internal layer / external layer	Burglar resistance class acc. to EN 1627:2011	
				mm						mm
<b>Anti-burglar non-loadbearing partition walls with double framework (rows of profiles separated) and two layers of boards</b>										
1	2	3	4	5	6	7	8	9	10	11
1	160D50	S160 CW50@600	C 50	12,5+12,5	160	4550	≥ 50 <sup>7) 8)</sup>	Expert <sup>3)</sup>	Resistex <sup>4)</sup>	RC 2
2	160D50-400	S160 CW50@400	C 50	12,5+12,5	160	4770	≥ 50 <sup>7) 8)</sup>	Expert <sup>3)</sup>	Resistex <sup>4)</sup>	RC 2
3	160D50-300	S160 CW50@300	C 50	12,5+12,5	160	5250	≥ 50 <sup>7) 8)</sup>	Expert <sup>3)</sup>	Resistex <sup>4)</sup>	RC 2
4	160D50/PWA	S160 CW50@600/PWA	C 50	12,5+12,5	160	5560	≥ 50 <sup>7) 8)</sup>	Expert <sup>3)</sup>	Resistex <sup>4)</sup>	RC 2
5	160D50-400/PWA	S160 CW50@400/PWA	C 50	12,5+12,5	160	5760	≥ 50 <sup>7) 8)</sup>	Expert <sup>3)</sup>	Resistex <sup>4)</sup>	RC 2
6	160D50-300/PWA	S160 CW50@300/PWA	C 50	12,5+12,5	160	5960	≥ 50 <sup>7) 8)</sup>	Expert <sup>3)</sup>	Resistex <sup>4)</sup>	RC 2
7	160DD50	S160 CW50-H@600	2xC 50	12,5+12,5	160	5560	≥ 50 <sup>7) 8)</sup>	Expert <sup>3)</sup>	Resistex <sup>4)</sup>	RC 2
8	160D50-400	S160 CW50-H@400	2xC 50	12,5+12,5	160	5830	≥ 50 <sup>7) 8)</sup>	Expert <sup>3)</sup>	Resistex <sup>4)</sup>	RC 2
9	160DD50-300	S160 CW50-H@300	2xC 50	12,5+12,5	160	6120	≥ 50 <sup>7) 8)</sup>	Expert <sup>3)</sup>	Resistex <sup>4)</sup>	RC 2
10	160DD50/PWA	S160 CW50-H@600/PWA	2xC 50	12,5+12,5	160	6390	≥ 50 <sup>7) 8)</sup>	Expert <sup>3)</sup>	Resistex <sup>4)</sup>	RC 2
11	160DD50-400/PWA	S160 CW50-H@400/PWA	2xC 50	12,5+12,5	160	6620	≥ 50 <sup>7) 8)</sup>	Expert <sup>3)</sup>	Resistex <sup>4)</sup>	RC 2
12	160DD50-300/PWA	S160 CW50-H@300/PWA	2xC 50	12,5+12,5	160	6850	≥ 50 <sup>7) 8)</sup>	Expert <sup>3)</sup>	Resistex <sup>4)</sup>	RC 2
13	210D75	S210 CW75@600	C 75	12,5+12,5	210	6060	≥ 50 <sup>7) 8)</sup>	Expert <sup>3)</sup>	Resistex <sup>4)</sup>	RC 2
14	210D75-400	S210 CW75@400	C 75	12,5+12,5	210	6360	≥ 50 <sup>7) 8)</sup>	Expert <sup>3)</sup>	Resistex <sup>4)</sup>	RC 2
15	210D75-300	S210 CW75@300	C 75	12,5+12,5	210	6490	≥ 50 <sup>7) 8)</sup>	Expert <sup>3)</sup>	Resistex <sup>4)</sup>	RC 2
16	210D75/PWA	S210 CW75@600/PWA	C 75	12,5+12,5	210	6260	≥ 50 <sup>7) 8)</sup>	Expert <sup>3)</sup>	Resistex <sup>4)</sup>	RC 2
17	210D75-400/PWA	S210 CW75@400/PWA	C 75	12,5+12,5	210	6580	≥ 50 <sup>7) 8)</sup>	Expert <sup>3)</sup>	Resistex <sup>4)</sup>	RC 2
18	210D75-300/PWA	S210 CW75@300/PWA	C 75	12,5+12,5	210	6900	≥ 50 <sup>7) 8)</sup>	Expert <sup>3)</sup>	Resistex <sup>4)</sup>	RC 2
19	210DD75	S210 CW75-H@600	2xC 75	12,5+12,5	210	6570	≥ 50 <sup>7) 8)</sup>	Expert <sup>3)</sup>	Resistex <sup>4)</sup>	RC 2
20	210DD75-400	S210 CW75-H@400	2xC 75	12,5+12,5	210	6700	≥ 50 <sup>7) 8)</sup>	Expert <sup>3)</sup>	Resistex <sup>4)</sup>	RC 2
21	210DD75-300	S210 CW75-H@300	2xC 75	12,5+12,5	210	6830	≥ 50 <sup>7) 8)</sup>	Expert <sup>3)</sup>	Resistex <sup>4)</sup>	RC 2
22	210DD75/PWA	S210 CW75-H@600/PWA	2xC 75	12,5+12,5	210	7040	≥ 50 <sup>7) 8)</sup>	Expert <sup>3)</sup>	Resistex <sup>4)</sup>	RC 2
23	210DD75-400/PWA	S210 CW75-H@400/PWA	2xC 75	12,5+12,5	210	7250	≥ 50 <sup>7) 8)</sup>	Expert <sup>3)</sup>	Resistex <sup>4)</sup>	RC 2
24	210DD75-300/PWA	S210 CW75-H@300/PWA	2xC 75	12,5+12,5	210	7470	≥ 50 <sup>7) 8)</sup>	Expert <sup>3)</sup>	Resistex <sup>4)</sup>	RC 2

**Table № 3.1. continued**

Specification – Anti-burglar non-loadbearing partition walls with double framework (rows of profiles separated) and two layers of boards

No.	NIDA Ściana Siniat Poland coding	NIDA Ściana Siniat Romania coding	Framework <sup>5) 6)</sup>	Lining thickness <sup>1)</sup>	Wall thickness	Maximum wall height "h" <sup>9)</sup>	Internal insulation of wall (thickness)	Type of NIDA board <sup>2)</sup> used internal layer / external layer		Burglar resistance class acc. to EN 1627:2011
				mm	mm	mm	mm			
<b>Anti-burglar non-loadbearing partition walls with double framework (rows of profiles separated) and two layers of boards</b>										
1	2	3	4	5	6	7	8	9	10	11
25	260D100	S260 CW100@600	C 100	12,5+12,5	260	6570	≥ 50 <sup>7) 8)</sup>	Expert <sup>3)</sup>	Resistex <sup>4)</sup>	RC 2
26	260D100-400	S260 CW100@400	C 100	12,5+12,5	260	6760	≥ 50 <sup>7) 8)</sup>	Expert <sup>3)</sup>	Resistex <sup>4)</sup>	RC 2
27	260D100-300	S260 CW100@300	C 100	12,5+12,5	260	6900	≥ 50 <sup>7) 8)</sup>	Expert <sup>3)</sup>	Resistex <sup>4)</sup>	RC 2
28	260D100/PWA	S260 CW100@600/PWA	C 100	12,5+12,5	260	6760	≥ 50 <sup>7) 8)</sup>	Expert <sup>3)</sup>	Resistex <sup>4)</sup>	RC 2
29	260D100-400/PWA	S260 CW100@400/PWA	C 100	12,5+12,5	260	7100	≥ 50 <sup>7) 8)</sup>	Expert <sup>3)</sup>	Resistex <sup>4)</sup>	RC 2
30	260D100-300/PWA	S260 CW100@300/PWA	C 100	12,5+12,5	260	7310	≥ 50 <sup>7) 8)</sup>	Expert <sup>3)</sup>	Resistex <sup>4)</sup>	RC 2
31	260DD100	S260 CW100-H@600	2xC 100	12,5+12,5	260	7070	≥ 50 <sup>7) 8)</sup>	Expert <sup>3)</sup>	Resistex <sup>4)</sup>	RC 2
32	260DD100-400	S260 CW100-H@400	2xC 100	12,5+12,5	260	7280	≥ 50 <sup>7) 8)</sup>	Expert <sup>3)</sup>	Resistex <sup>4)</sup>	RC 2
33	260DD100-300	S260 CW100-H@300	2xC 100	12,5+12,5	260	7430	≥ 50 <sup>7) 8)</sup>	Expert <sup>3)</sup>	Resistex <sup>4)</sup>	RC 2
34	260DD100/PWA	S260 CW100-H@600/PWA	2xC 100	12,5+12,5	260	7240	≥ 50 <sup>7) 8)</sup>	Expert <sup>3)</sup>	Resistex <sup>4)</sup>	RC 2
35	260DD100-400/PWA	S260 CW100-H@400/PWA	2xC 100	12,5+12,5	260	7600	≥ 50 <sup>7) 8)</sup>	Expert <sup>3)</sup>	Resistex <sup>4)</sup>	RC 2
36	260DD100-300/PWA	S260 CW100-H@300/PWA	2xC 100	12,5+12,5	260	7830	≥ 50 <sup>7) 8)</sup>	Expert <sup>3)</sup>	Resistex <sup>4)</sup>	RC 2
37	310D125	S310 CW125@600	C 125	12,5+12,5	310	6570	≥ 50 <sup>7) 8)</sup>	Expert <sup>3)</sup>	Resistex <sup>4)</sup>	RC 2
38	310D125-400	S310 CW125@400	C 125	12,5+12,5	310	6760	≥ 50 <sup>7) 8)</sup>	Expert <sup>3)</sup>	Resistex <sup>4)</sup>	RC 2
39	310D125-300	S310 CW125@300	C 125	12,5+12,5	310	6900	≥ 50 <sup>7) 8)</sup>	Expert <sup>3)</sup>	Resistex <sup>4)</sup>	RC 2
40	310D125/PWA	S310 CW125@600/PWA	C 125	12,5+12,5	310	6760	≥ 50 <sup>7) 8)</sup>	Expert <sup>3)</sup>	Resistex <sup>4)</sup>	RC 2
41	310D125-400/PWA	S310 CW125@400/PWA	C 125	12,5+12,5	310	7100	≥ 50 <sup>7) 8)</sup>	Expert <sup>3)</sup>	Resistex <sup>4)</sup>	RC 2
42	310D125-300/PWA	S310 CW125@300/PWA	C 125	12,5+12,5	310	7310	≥ 50 <sup>7) 8)</sup>	Expert <sup>3)</sup>	Resistex <sup>4)</sup>	RC 2
43	310DD125	S310 CW125-H@600	2xC 125	12,5+12,5	310	7070	≥ 50 <sup>7) 8)</sup>	Expert <sup>3)</sup>	Resistex <sup>4)</sup>	RC 2
44	310DD125-400	S310 CW125-H@400	2xC 125	12,5+12,5	310	7280	≥ 50 <sup>7) 8)</sup>	Expert <sup>3)</sup>	Resistex <sup>4)</sup>	RC 2
45	310DD125-300	S310 CW125-H@300	2xC 125	12,5+12,5	310	7430	≥ 50 <sup>7) 8)</sup>	Expert <sup>3)</sup>	Resistex <sup>4)</sup>	RC 2
46	310DD125/PWA	S310 CW125-H@600/PWA	2xC 125	12,5+12,5	310	7240	≥ 50 <sup>7) 8)</sup>	Expert <sup>3)</sup>	Resistex <sup>4)</sup>	RC 2
47	310DD125-400/PWA	S310 CW125-H@400/PWA	2xC 125	12,5+12,5	310	7600	≥ 50 <sup>7) 8)</sup>	Expert <sup>3)</sup>	Resistex <sup>4)</sup>	RC 2
48	310DD125-300/PWA	S310 CW125-H@300/PWA	2xC 125	12,5+12,5	310	7830	≥ 50 <sup>7) 8)</sup>	Expert <sup>3)</sup>	Resistex <sup>4)</sup>	RC 2

**Table № 3.1. continued**

Specification – Anti-burglar non-loadbearing partition walls with double framework (rows of profiles separated) and two layers of boards

No.	NIDA Ściana Siniat Poland coding	NIDA Ściana Siniat Romania coding	Framework <sup>5) 6)</sup>	Lining thickness <sup>1)</sup>	Wall thickness	Maximum wall height "h" <sup>9)</sup>	Internal insulation of wall (thickness)	Type of NIDA board <sup>2)</sup> used internal layer / external layer		Burglar resistance class acc. to EN 1627:2011
				mm						
<b>Anti-burglar non-loadbearing partition walls with double framework (rows of profiles separated) and two layers of boards</b>										
1	2	3	4	5	6	7	8	9	10	11
49	360D150	S360 CW150@600	C 150	12,5+12,5	360	6570	≥ 50 <sup>7) 8)</sup>	Expert <sup>3)</sup>	Resistex <sup>4)</sup>	RC 2
50	360D150-400	S360 CW150@400	C 150	12,5+12,5	360	6760	≥ 50 <sup>7) 8)</sup>	Expert <sup>3)</sup>	Resistex <sup>4)</sup>	RC 2
51	360D150-300	S360 CW150@300	C 150	12,5+12,5	360	6900	≥ 50 <sup>7) 8)</sup>	Expert <sup>3)</sup>	Resistex <sup>4)</sup>	RC 2
52	360D150/PWA	S360 CW150@600/PWA	C 150	12,5+12,5	360	6760	≥ 50 <sup>7) 8)</sup>	Expert <sup>3)</sup>	Resistex <sup>4)</sup>	RC 2
53	360D150-400/PWA	S360 CW150@400/PWA	C 150	12,5+12,5	360	7100	≥ 50 <sup>7) 8)</sup>	Expert <sup>3)</sup>	Resistex <sup>4)</sup>	RC 2
54	360D150-300/PWA	S360 CW150@300/PWA	C 150	12,5+12,5	360	7310	≥ 50 <sup>7) 8)</sup>	Expert <sup>3)</sup>	Resistex <sup>4)</sup>	RC 2
55	360DD150	S360 CW150-H@600	2xC 150	12,5+12,5	360	7070	≥ 50 <sup>7) 8)</sup>	Expert <sup>3)</sup>	Resistex <sup>4)</sup>	RC 2
56	360DD150-400	S360 CW150-H@400	2xC 150	12,5+12,5	360	7280	≥ 50 <sup>7) 8)</sup>	Expert <sup>3)</sup>	Resistex <sup>4)</sup>	RC 2
57	360DD150-300	S360 CW150-H@300	2xC 150	12,5+12,5	360	7430	≥ 50 <sup>7) 8)</sup>	Expert <sup>3)</sup>	Resistex <sup>4)</sup>	RC 2
58	360DD150/PWA	S360 CW150-H@600/PWA	2xC 150	12,5+12,5	360	7240	≥ 50 <sup>7) 8)</sup>	Expert <sup>3)</sup>	Resistex <sup>4)</sup>	RC 2
59	360DD150-400/PWA	S360 CW150-H@400/PWA	2xC 150	12,5+12,5	360	7600	≥ 50 <sup>7) 8)</sup>	Expert <sup>3)</sup>	Resistex <sup>4)</sup>	RC 2
60	360DD150-300/PWA	S360 CW150-H@300/PWA	2xC 150	12,5+12,5	360	7830	≥ 50 <sup>7) 8)</sup>	Expert <sup>3)</sup>	Resistex <sup>4)</sup>	RC 2

Notes:

- 1) It is allowed to use boards of the same type of greater thicknesses, provided that their total thickness is not lower than the value shown in table 3.1 column 5. This can cause a change in partition thickness.
- 2) Minimal mass of the boards: plasterboards: NIDA Expert 12.5 mm – 8.0 kg/m<sup>2</sup>, SYNIA Expert 12.5 mm – 8.0 kg/m<sup>2</sup>, NIDA Woda 12.5 mm – 8.0 kg/m<sup>2</sup>, SYNIA Woda 12.5 mm – 8.0 kg/m<sup>2</sup>, NIDA Ogień Type F 12.5 mm – 8.6 kg/m<sup>2</sup>, NIDA Ogień Plus 12.5 mm – 10.0 kg/m<sup>2</sup>, NIDA Woda Ogień Plus 12.5 mm – 10.0 kg/m<sup>2</sup>, NIDA RTG 12.5 mm – 15.9 kg/m<sup>2</sup>, NIDA Cicha 12.5 mm – 12.8 kg/m<sup>2</sup>, NIDA Ciężka 12.5 mm – 12.8 kg/m<sup>2</sup>, NIDA Standard 12.5 mm – 7.5 kg/m<sup>2</sup>, NIDA Acoustic 12.5 mm – 11.2 kg/m<sup>2</sup>, NIDA Hydro (Type H2) 12.5 mm – 8.2 kg/m<sup>2</sup>, NIDA Flam 12.5 mm – 11.2 kg/m<sup>2</sup>, NIDA HydroFlam 12.5 mm – 11.2 kg/m<sup>2</sup>, NIDA Flam Plus 12.5 mm – 11.2 kg/m<sup>2</sup>, NIDA HydroFlam Plus 12.5 mm – 11.2 kg/m<sup>2</sup>, NIDA Flam Extra 15 mm – 12.2 kg/m<sup>2</sup>, NIDA HydroFlam Extra 15 mm – 12.2 kg/m<sup>2</sup>, Resistex 12.5 mm – 11.2 kg/m<sup>2</sup>, Resistex H 12.5mm – 11.2 kg/m<sup>2</sup>; plaster-fiber boards: NIDA Hydro (Type GMFH11) 12.5 mm – 10.8 kg/m<sup>2</sup>, Aquaboard 12.5 mm – 10.8 kg/m<sup>2</sup>; plaster-particle boards with fibers: NIDA Twarda 12.5 mm – 12.8 kg/m<sup>2</sup>, LaDura 12.5 mm – 12.8 kg/m<sup>2</sup>.
- 3) Alternatively and in any configuration, apply the NIDA Woda (SYNIA Woda), NIDA Ogień Type F, NIDA RTG, NIDA Ogień Plus, NIDA Woda Ogień Plus, NIDA Cicha, NIDA Ciężka, NIDA Standard, NIDA Acoustic, NIDA Hydro Type H2, NIDA Flam, NIDA Flam Plus, NIDA HydroFlam, NIDA HydroFlam Plus, NIDA Flam Extra, NIDA HydroFlam Extra, Resistex, Resistex H plasterboards, NIDA Twarda, LaDura plaster-particle boards with fibers, NIDA Hydro Type GMFH11, Aquaboard plaster-fiber boards.
- 4) Alternatively and in any configuration, apply the NIDA Flam Extra, NIDA HydroFlam Extra, Resistex H plasterboards.
- 5) In the case of chemically aggressive environment, which is humid or wet for a prolonged period of time, it is advised to use accessories for the corrosion categories C3 or C5.
- 6) It is allowed to use all types of metal profiles of increased gauge thickness.
- 7) It is allowed to use all types of mineral wool made of glass or rock fibers in variety of thickness and density, which met fire resistance and acoustic requirements.
- 8) In case of absence of necessity of meet fire resistance and acoustic requirements, it is allowed to use an air gap.
- 9) The maximum heights "h" given in column 7, concern walls without fire resistance, according to Technical Opinion No. ITB-1060/12/R48NK.

#### 4. Anti-burglar non-loadbearing partition walls with double framework and two layers of boards – for installations

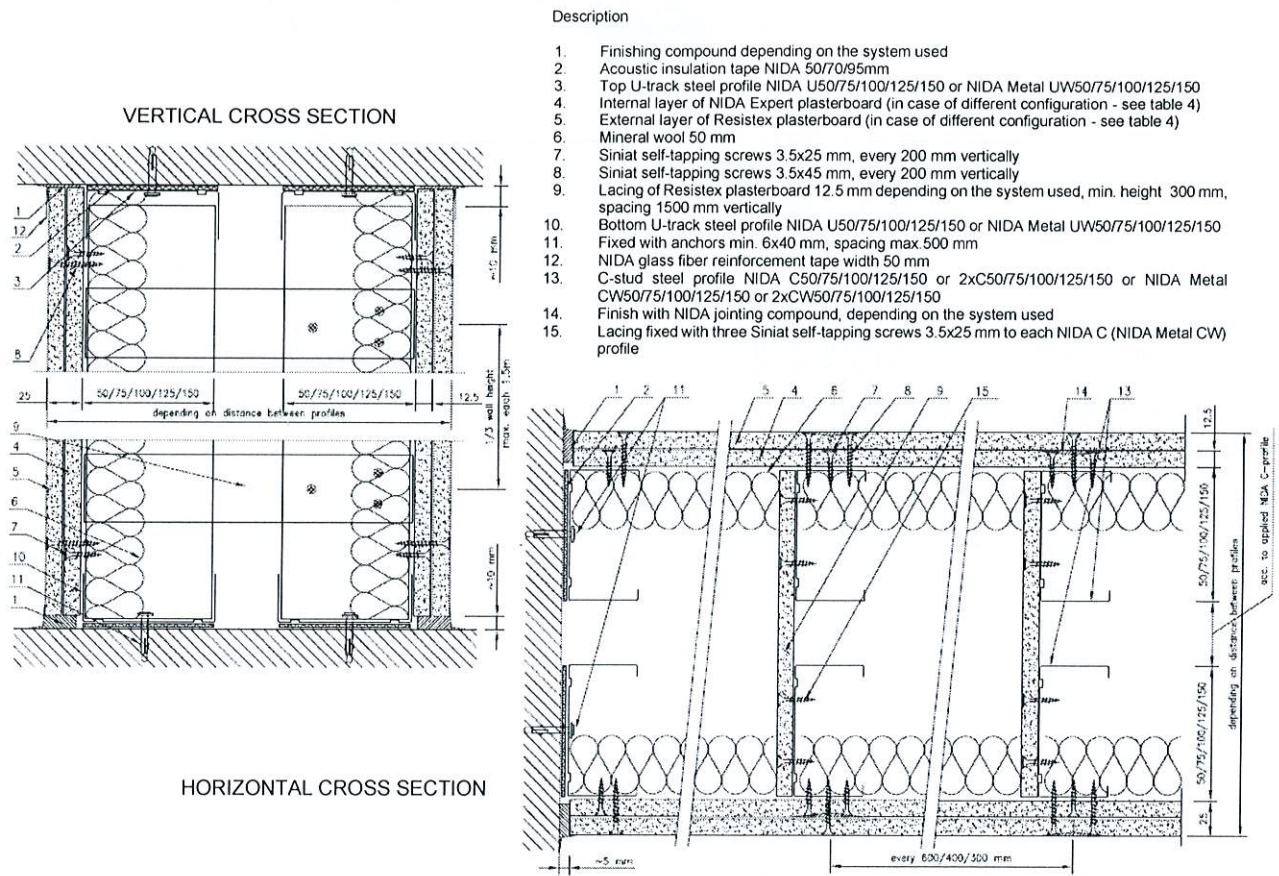


Fig. no. 4. Vertical and horizontal cross-section of anti-burglar non-loadbearing partition wall with double framework and two layers of boards – for installations.

Table 4. Possible replacement of boards

Column 1	Type of board acc. EN 520:2004+A1 2009	Possible replacement of gypsum boards in column 1*
NIDA Expert (SYNIA Expert)	A	NIDA Woda (SYNIA Woda), NIDA Ogień Type F, NIDA RTG, NIDA Ogień Plus, NIDA Woda Ogień Plus, NIDA Cicha, NIDA Ciężka, NIDA Standard, NIDA Acoustic, NIDA Hydro Type H2, NIDA Flam, NIDA Flam Plus, NIDA HydroFlam, NIDA HydroFlam Plus, NIDA Flam Extra, NIDA HydroFlam Extra, Resistex, Resistex H, NIDA Twarda, LaDura, NIDA Hydro Type GMFH11, Aquaboard
Resistex	DFIR	NIDA Flam Extra, NIDA HydroFlam Extra, Resistex H

\* It is allowed to use boards of the same type of greater thicknesses, provided that their total thickness is not lower than the value shown in tables 4.1 col. 5. This can cause a change in partition thickness.

**Table № 4.1.**

Specification – Anti-burglar non-loadbearing partition walls with double framework and two layers of boards – for installations

No.	NIDA Ściana Siniat Poland coding	NIDA Ściana Siniat Romania coding	Framework <sup>5) 6)</sup>	Lining thickness <sup>1)</sup>	Wall thickness <sup>10)</sup>	Maximum wall height "h" <sup>9)</sup>	Internal insulation of wall (thickness)	Type of NIDA board <sup>2)</sup> used internal layer / external layer		Burglar resistance class acc. to EN 1627:2011
				mm	mm					
<b>Anti-burglar non-loadbearing partition walls with double framework and two layers of boards – for installations</b>										
1	2	3	4	5	6	7	8	9	10	11
1	150C50	SL150 CW50@600	C 50	12,5+12,5	150	4500	≥ 50 <sup>7) 8)</sup>	Expert <sup>3)</sup>	Resistex <sup>4)</sup>	RC 2
2	150C50-400	SL150 CW50@400	C 50	12,5+12,5	150	4750	≥ 50 <sup>7) 8)</sup>	Expert <sup>3)</sup>	Resistex <sup>4)</sup>	RC 2
3	150C50-300	SL150 CW50@300	C 50	12,5+12,5	150	4990	≥ 50 <sup>7) 8)</sup>	Expert <sup>3)</sup>	Resistex <sup>4)</sup>	RC 2
4	150CC50	SL150 CW50-H@600	2xC 50	12,5+12,5	150	4750	≥ 50 <sup>7) 8)</sup>	Expert <sup>3)</sup>	Resistex <sup>4)</sup>	RC 2
5	150CC50-400	SL150 CW50-H@400	2xC 50	12,5+12,5	150	5000	≥ 50 <sup>7) 8)</sup>	Expert <sup>3)</sup>	Resistex <sup>4)</sup>	RC 2
6	150CC50-300	SL150 CW50-H@300	2xC 50	12,5+12,5	150	5250	≥ 50 <sup>7) 8)</sup>	Expert <sup>3)</sup>	Resistex <sup>4)</sup>	RC 2
7	200C75	SL200 CW75@600	C 75	12,5+12,5	200	6000	≥ 50 <sup>7) 8)</sup>	Expert <sup>3)</sup>	Resistex <sup>4)</sup>	RC 2
8	200C75-400	SL200 CW75@400	C 75	12,5+12,5	200	6250	≥ 50 <sup>7) 8)</sup>	Expert <sup>3)</sup>	Resistex <sup>4)</sup>	RC 2
9	200C75-300	SL200 CW75@300	C 75	12,5+12,5	200	6560	≥ 50 <sup>7) 8)</sup>	Expert <sup>3)</sup>	Resistex <sup>4)</sup>	RC 2
10	200CC75	SL200 CW75-H@600	2xC 75	12,5+12,5	200	6500	≥ 50 <sup>7) 8)</sup>	Expert <sup>3)</sup>	Resistex <sup>4)</sup>	RC 2
11	200CC75-400	SL200 CW75-H@400	2xC 75	12,5+12,5	200	6750	≥ 50 <sup>7) 8)</sup>	Expert <sup>3)</sup>	Resistex <sup>4)</sup>	RC 2
12	200CC75-300	SL200 CW75-H@300	2xC 75	12,5+12,5	200	7020	≥ 50 <sup>7) 8)</sup>	Expert <sup>3)</sup>	Resistex <sup>4)</sup>	RC 2
13	250C100	SL250 CW100@600	C 100	12,5+12,5	250	6500	≥ 50 <sup>7) 8)</sup>	Expert <sup>3)</sup>	Resistex <sup>4)</sup>	RC 2
14	250C100-400	SL250 CW100@400	C 100	12,5+12,5	250	7000	≥ 50 <sup>7) 8)</sup>	Expert <sup>3)</sup>	Resistex <sup>4)</sup>	RC 2
15	250C100-300	SL250 CW100@300	C 100	12,5+12,5	250	7280	≥ 50 <sup>7) 8)</sup>	Expert <sup>3)</sup>	Resistex <sup>4)</sup>	RC 2
16	250CC100	SL250 CW100-H@600	2xC 100	12,5+12,5	250	7000	≥ 50 <sup>7) 8)</sup>	Expert <sup>3)</sup>	Resistex <sup>4)</sup>	RC 2
17	250CC100-400	SL250 CW100-H@400	2xC 100	12,5+12,5	250	7250	≥ 50 <sup>7) 8)</sup>	Expert <sup>3)</sup>	Resistex <sup>4)</sup>	RC 2
18	250CC100-300	SL250 CW100-H@300	2xC 100	12,5+12,5	250	7470	≥ 50 <sup>7) 8)</sup>	Expert <sup>3)</sup>	Resistex <sup>4)</sup>	RC 2
19	300C125	SL300 CW125@600	C 125	12,5+12,5	300	6500	≥ 50 <sup>7) 8)</sup>	Expert <sup>3)</sup>	Resistex <sup>4)</sup>	RC 2
20	300C125-400	SL300 CW125@400	C 125	12,5+12,5	300	7000	≥ 50 <sup>7) 8)</sup>	Expert <sup>3)</sup>	Resistex <sup>4)</sup>	RC 2
21	300C125-300	SL300 CW125@300	C 125	12,5+12,5	300	7280	≥ 50 <sup>7) 8)</sup>	Expert <sup>3)</sup>	Resistex <sup>4)</sup>	RC 2
22	300CC125	SL300 CW125-H@600	2xC 125	12,5+12,5	300	7000	≥ 50 <sup>7) 8)</sup>	Expert <sup>3)</sup>	Resistex <sup>4)</sup>	RC 2
23	300CC125-400	SL300 CW125-H@400	2xC 125	12,5+12,5	300	7250	≥ 50 <sup>7) 8)</sup>	Expert <sup>3)</sup>	Resistex <sup>4)</sup>	RC 2
24	300CC125-300	SL300 CW125-H@300	2xC 125	12,5+12,5	300	7470	≥ 50 <sup>7) 8)</sup>	Expert <sup>3)</sup>	Resistex <sup>4)</sup>	RC 2



**Table № 4.1. continued**

Specification – Anti-burglar non-loadbearing partition walls with double framework and two layers of boards – for installations

No.	NIDA Ściana Siniat Poland coding	NIDA Ściana Siniat Romania coding	Framework <sup>5) 6)</sup>	Lining thickness <sup>1)</sup>	Wall thickness <sup>10)</sup>	Maximum wall height "h" <sup>9)</sup>	Internal insulation of wall (thickness)	Type of NIDA board <sup>2)</sup> used internal layer / external layer	Burglar resistance class acc. to EN 1627:2011	
				mm	mm		mm			mm
<b>Anti-burglar non-loadbearing partition walls with double framework and two layers of boards – for installations</b>										
1	2	3	4	5	6	7	8	9	10	11
25	350C150	SL350 CW150@600	C 150	12,5+12,5	350	6500	≥ 50 <sup>7) 8)</sup>	Expert <sup>3)</sup>	Resistex <sup>4)</sup>	RC 2
26	350C150-400	SL350 CW150@400	C 150	12,5+12,5	350	7000	≥ 50 <sup>7) 8)</sup>	Expert <sup>3)</sup>	Resistex <sup>4)</sup>	RC 2
27	350C150-300	SL350 CW150@300	C 150	12,5+12,5	350	7280	≥ 50 <sup>7) 8)</sup>	Expert <sup>3)</sup>	Resistex <sup>4)</sup>	RC 2
28	350CC150	SL350 CW150-H@600	2xC 150	12,5+12,5	350	7000	≥ 50 <sup>7) 8)</sup>	Expert <sup>3)</sup>	Resistex <sup>4)</sup>	RC 2
29	350CC150-400	SL350 CW150-H@400	2xC 150	12,5+12,5	350	7250	≥ 50 <sup>7) 8)</sup>	Expert <sup>3)</sup>	Resistex <sup>4)</sup>	RC 2
30	350CC150-300	SL350 CW150-H@300	2xC 150	12,5+12,5	350	7470	≥ 50 <sup>7) 8)</sup>	Expert <sup>3)</sup>	Resistex <sup>4)</sup>	RC 2

Notes:

- 1) It is allowed to use boards of the same type of greater thicknesses, provided that their total thickness is not lower than the value shown in table 4.1 column 5. This can cause a change in partition thickness.
- 2) Minimal mass of the boards: plasterboards: NIDA Expert 12.5 mm – 8.0 kg/m<sup>2</sup>, SYNIA Expert 12.5 mm – 8.0 kg/m<sup>2</sup>, NIDA Woda 12.5 mm – 8.0 kg/m<sup>2</sup>, SYNIA Woda 12.5 mm – 8.0 kg/m<sup>2</sup>, NIDA Ogień Type F 12.5 mm – 8.6 kg/m<sup>2</sup>, NIDA Ogień Plus 12.5 mm – 10.0 kg/m<sup>2</sup>, NIDA Woda Ogień Plus 12.5 mm – 10.0 kg/m<sup>2</sup>, NIDA RTG 12.5 mm – 15.9 kg/m<sup>2</sup>, NIDA Cicha 12.5 mm – 12.8 kg/m<sup>2</sup>, NIDA Ciężka 12.5 mm – 12.8 kg/m<sup>2</sup>, NIDA Standard 12.5 mm – 7.5 kg/m<sup>2</sup>, NIDA Acoustic 12.5 mm – 11.2 kg/m<sup>2</sup>, NIDA Hydro (Type H2) 12.5 mm – 8.2 kg/m<sup>2</sup>, NIDA Flam 12.5 mm – 11.2 kg/m<sup>2</sup>, NIDA HydroFlam 12.5 mm – 11.2 kg/m<sup>2</sup>, NIDA Flam Plus 12.5 mm – 11.2 kg/m<sup>2</sup>, NIDA HydroFlam Plus 12.5 mm – 11.2 kg/m<sup>2</sup>, NIDA Flam Extra 15 mm – 12.2 kg/m<sup>2</sup>, NIDA HydroFlam Extra 15 mm – 12.2 kg/m<sup>2</sup>, Resistex 12.5 mm – 11.2 kg/m<sup>2</sup>, Resistex H 12.5mm – 11.2 kg/m<sup>2</sup>; plaster-fiber boards: NIDA Hydro (Type GMFH11) 12.5 mm – 10.8 kg/m<sup>2</sup>, Aquaboard 12.5 mm – 10.8 kg/m<sup>2</sup>; plaster-particle boards with fibers: NIDA Twarda 12.5 mm – 12.8 kg/m<sup>2</sup>, LaDura 12.5 mm – 12.8 kg/m<sup>2</sup>.
- 3) Alternatively and in any configuration, apply the NIDA Woda (SYNIA Woda), NIDA Ogień Type F, NIDA RTG, NIDA Ogień Plus, NIDA Woda Ogień Plus, NIDA Cicha, NIDA Ciężka, NIDA Standard, NIDA Acoustic, NIDA Hydro Type H2, NIDA Flam, NIDA Flam Plus, NIDA HydroFlam, NIDA HydroFlam Plus, NIDA Flam Extra, NIDA HydroFlam Extra, Resistex, Resistex H plasterboards, NIDA Twarda, LaDura plaster-particle boards with fibers, NIDA Hydro Type GMFH11, Aquaboard plaster-fiber boards.
- 4) Alternatively and in any configuration, apply the NIDA Flam Extra, NIDA HydroFlam Extra, Resistex H plasterboards.
- 5) In the case of chemically aggressive environment, which is humid or wet for a prolonged period of time, it is advised to use accessories for the corrosion categories C3 or C5.
- 6) It is allowed to use all types of metal profiles of increased gauge thickness.
- 7) It is allowed to use all types of mineral wool made of glass or rock fibers in variety of thickness and density, which met fire resistance and acoustic requirements.
- 8) In case of absence of necessity of meet fire resistance and acoustic requirements, it is allowed to use an air gap.
- 9) The maximum heights "h" given in column 7, concern walls without fire resistance, according to Technical Opinion No. ITB-1060/12/R48NK.
- 10) The maximum wall thickness given in column 6 is 900 mm.