GROUP OF TESTING LABORATORIES
GRYFITLAB

ul. Prosta 2, Łozienica, 72-100 Goleniów
tel. (091) 431 82 29, fax (091) 418 97 57, mobile:+48 607-900-480
www.gryfitlab.com, e-mail: contact@gryfitlab.com

Fire resistance classification No. LBO – 130 – KZ/24E

Classified product:

Non-loadbearing partition walls Norgips, double sided cladded with gypsum plasterboards Norgips GKB type A, Norgips Acoustic type A and Norgips GKBI type H2 with the framework made of system steel profiles Norgips

Sponsor:

Norgips Sp. z o.o.
ul. Krakowiaków 50
02-255 Warszawa

Prepared by:

Group of Testing Laboratories Gryfitlab
ul. Prosta 2, Łozienica
72-100 Goleniów

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1. This classification has been prepared based on the following documents:

1.1. Standard PN-EN 1364-1:2015-08 Fire resistance tests for non-loadbearing elements – Part 1: Walls.

1.2. Standard PN-EN 1363-1:2020-07 Fire resistance tests – Part 1: General requirements.

1.3. Standard PN-EN 13501-2:2023-09 Fire classification of construction products and building elements – Part 2: Classification using data from fire resistance tests, excluding ventilation services.

1.4. Standard PN-EN 13279-1:2009 Gypsum binders and gypsum plasters – Part 1: Definitions and requirements.

1.5. Standard PN-EN 13963:2014-10 Jointing materials for gypsum boards. Definitions, requirements and test methods.

1.6. Standard PN-EN 14566+A1:2012. Mechanical fasteners for gypsum plasterboard systems – Definitions, requirements and test methods.

1.7. Standard PN-EN 14195:2015-02 Metal framing components for gypsum board systems – Definitions, requirements and test methods.

1.8. Standard PN-EN 520+A1:2012 Gypsum plasterboards – Definitions, requirements and test methods.

1.9. Standard PN-EN 10143:2006 Continuously hot-dip coated steel sheet and strip – Tolerances on dimensions and shape.

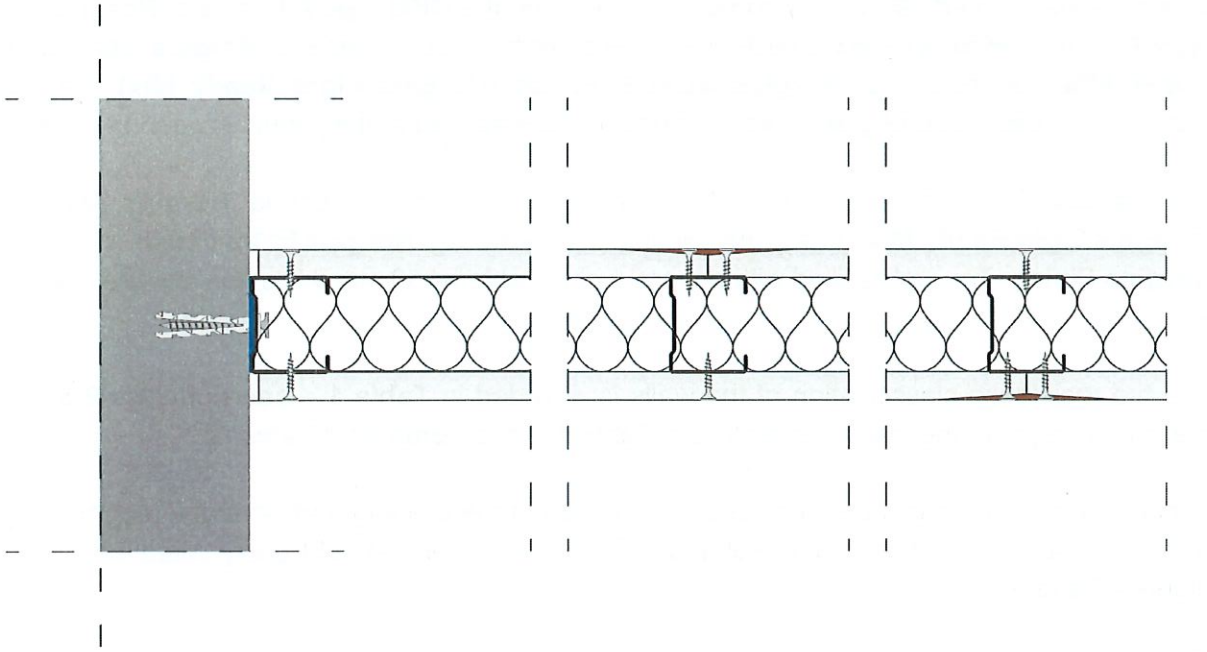
1.10. Report No. 019.BO.23.AK Non-load-bearing partition wall SD-1x12.5 GKB A CW 50 W50 with double-sided cladding made of Norgips S GKB type A plasterboards of 1x12.5 mm thickness of Norgips brand on Norgips CW 50 and UW 50 steel system profiles with a filling of 50 mm thick glass mineral wool. ICIMB, Kraków 19/12/2023Technical documentation provided by Norgips Sp. z o.o.

1.11. Elaboration No. 06041/14/R20NK (LK00-6041/14/R20NK) Technical assessment of partition walls in the Norgips system. Building Research Institute (Instytut Techniki Budowlanej), Warsaw 2014.

1.12. Technical documentation provided by Norgips Sp. z o.o.

2. Technical description of partition walls Norgips, double sided cladded with 12.5 mm thick gypsum plasterboards Norgips GKB type A, Norgips Acoustic type A or Norgips GKBI type H2

2.1 Partition walls SD-1x12.5 GKB A/CW 50 W 50, SD-1x12.5 GKB A/CW 75 W 50, SD-1x12.5 GKB A/CW 100 W 50, SD-1x12.5 GKB A/VP 66 W 50, SD-1x12.5 GKB A/VP 70 W 50, SD-1x12.5 GKB A/VP 95 W 50, SD-1x12.5 GKB A/VP 120 W 50 double sided cladded with 1x12.5 mm thick gypsum plasterboards Norgips GKB type A and SD-1x12.5 ACO A/CW 50 W 50, SD-1x12.5 ACO A/CW 75 W 50, SD-1x12.5 ACO A/CW 100 W 50, SD-1x12.5 ACO A/VP 66 W 50, SD-1x12.5 ACO A/VP 70 W 50, SD-1x12.5 ACO A/VP 95 W 50, SD-1x12.5 ACO A/VP 120 W 50 double sided cladded with 1x12.5 mm thick gypsum plasterboards Norgips Acoustic type A and partition walls SD-1x12.5 GKBI H2/CW 50 W 50, SD-1x12.5 GKBI H2/CW 75 W 50, SD-1x12.5 GKBI H2/CW 100 W 50, SD-1x12.5 GKBI H2/VP 66 W 50, SD-1x12.5 GKBI H2/VP 70 W 50, SD-1x12.5 GKBI H2/VP 95 W 50, SD-1x12.5 GKBI H2/VP 120 W 50 double sided cladded with 1x12.5 mm thick gypsum plasterboards Norgips GKBI type H2, with the single framework with mineral wool filling.



The walls are built on the frameworks made of single system profiles e.g. Norgips **CW 50 and UW 50**, **CW 75 and UW 75, CW 100 and UW 100** or **VP 66 and HP 66, VP 70 and HP 70, VP 95 and HP 95, VP 120 and HP 120**.which were made of nominally **0.55 mm** ± 0.06 mm or **0.6 mm** ± 0.06 mm thick cold bent galvanized steel.

The **CW 50 and UW 50**, **CW 75 and UW 75, CW 100 and UW 100 or VP 66 and HP 66, VP 70 and HP 70, VP 95 and HP 95, VP 120 and HP 120** perimeter profiles are fixed to the ceiling, floor and side walls by means of mechanical connectors such as, e.g.: wall plugs, dowels, etc. The aforementioned mechanical connectors are placed every **80 cm**.

3 mm thick Norgips system polyethylene sealing tape is placed between the perimeter steel profiles and the ceiling, floor and side walls. Single profiles **CW 50, CW 75, CW 100 or VP 66, VP 70, VP 95, VP 120** are positioned vertically and slid between the bottom and top shelfs of, respectively, profiles

UW 50, UW 75, UW 100 or HP 66, HP 70, HP 95, HP 120. The axes of the adjacent CW profiles are placed maximally every **60 cm** or every **62.5 cm**. The length of profiles **CW 50, CW 75, CW 100** or **VP 66, VP 70, VP 95, VP 120** should be 1.5 cm less than the distance between the webs of the bottom and top profiles: **UW 50, UW 75, UW 100 or HP 66, HP 70, HP 95, HP 120.**

The boards are fixed in such a way that the vertical joints from two sides of the walls are not made on one and the same post. The vertical joints are shifted in relation to one another by at least **30 cm**; usually they are shifted by **60 cm** or **62.5 cm**.

If there are horizontal joints on the surface of the wall, between the adjacent boards, they have to be shifted in relation to one another by **at least 40 cm**.

Boards **Norgips GKB type A** or **Norgips Acoustic type A** or **GKBI type H2** are fixed to the bottom **UW** or **HP** profiles and **CW** or **VP** profiles (posts) by means of system sheet steel screws **Ø 3.5 x 25 mm** placed maximally every **25 cm**.

Screw heads, the vertical and horizontal joints between the **GKB type A** boards or **Norgips Acoustic type A** or the **GKBI type H2** boards are covered with gypsum filler e.g. **Norgips Start** or **Norgips Super Filler** or ready mix **Norgips Start & Finish (Norgips Light Ready Mix)**. Self-adhesive reinforcing tapes made of glass fibre or interfacing are applied at the joints between the boards.

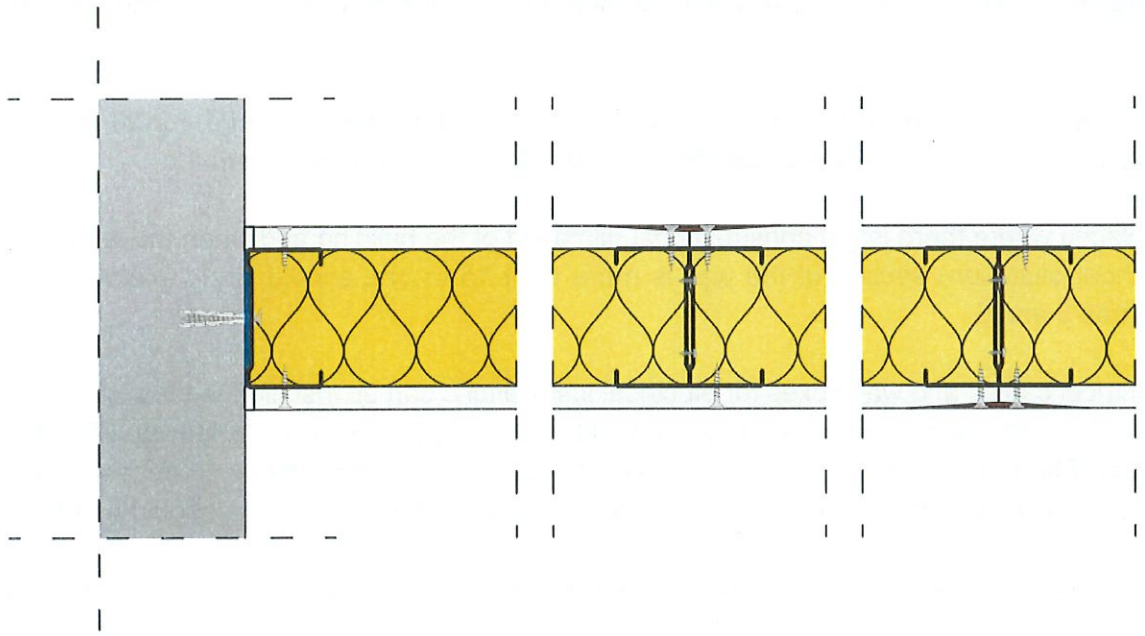
For final covering, it is recommended to use ready mix jointing compound **Norgips Start & Finish (Norgips Light Ready Mix)**, ready mix jointing compound e.g. **Norgips Extra Finish** or gypsum finish **Norgips Finish**. The wall is filled with mineral wool of at least 50 mm thickness and fire reaction class A1.

The fire resistance classification of the walls is provided in **Table 1 – see columns 9 and 11**, the maximum height of the walls is specified in **Table 1 – see columns 10 and 12**.

In places where there is the constructional dilatation of the building and when the length of a straight (without dilatation) section of the wall is more than 15 m one should apply dilatation according to Figures 5 and 6.

Electrical cables and wall boxes for electrical installations can be installed in the wall. The wall boxes should be protected with a layer of gypsum putty made of gypsum filler e.g. **Norgips Start** or **Norgips Super Filler** (the layer in question should be at least **15 mm** thick) or encased with gypsum plasterboards; the minimum distance between the edges of the wall boxes should be **60 mm**.
Constructional details regarding the partition walls are presented in Annex 1, in Figures 1 - 2.

2.2 Partition walls SD-1x12.5 GKB A/CW 50+CW 50 W 50, SD-1x12.5 GKB A/CW 75+CW 75 W 50, SD-1x12.5 GKB A/CW 100+CW 100 W 50, SD-1x12.5 GKB A/VP 66+VP 66 W 50, SD-1x12.5 GKB A/VP 70+VP 70 W 50, SD-1x12.5 GKB A/VP 95+VP 95 W 50, SD-1x12.5 GKB A/VP 120+VP 120 W 50 double sided cladded with 1x12.5 mm thick gypsum plasterboards Norgips GKB type A and SD-1x12.5 ACO A/CW 50+CW 50, SD-1x12.5 ACO A/CW 75+CW 75, SD-1x12.5 ACO A/CW 100+CW 100 W 50, SD-1x12.5 ACO A/VP 66+VP 66 W 50, SD-1x12.5 ACO A/VP 70+VP 70 W 50, SD-1x12.5 ACO A/VP 95+VP 95 W 50, SD-1x12.5 ACO A/VP 120+VP 120 W 50 double sided cladded with 1x12.5 mm thick gypsum plasterboards Norgips Acoustic type A and partition walls SD-1x12.5 GKBI H2/CW 50+CW 50 W 50, SD-1x12.5 GKBI H2/CW 75+CW 75 W 50, SD-1x12.5 GKBI H2/CW 100+CW 100 W 50, SD-1x12.5 GKBI H2/VP 66+VP 66 W 50, SD-1x12.5 GKBI H2/VP 70+VP 70 W 50, SD-1x12.5 GKBI H2/VP 95+VP 95 W 50, SD-1x12.5 GKBI H2/VP 120+VP 120 W 50 double sided cladded with 1x12.5 mm thick gypsum plasterboards Norgips GKBI type H2, with the single framework with mineral wool filling.



The walls are built on the frameworks made of system profiles Norgips **CW 50 and UW 50**, **CW 75 and UW 75, CW 100 and UW 100** or **VP 66 and HP 66, VP 70 and HP 70, VP 95 and HP 95, VP 120 and HP 120** which were made of nominally **0.55 mm** ± 0.06 mm or **0.6 mm** ± 0.06 mm thick cold bent galvanized steel.
The **CW 50 and UW 50**, **CW 75 and UW 75, CW 100 and UW 100 or VP 66 and HP 66, VP 70 and HP 70, VP 95 and HP 95, VP 120 and HP 120** perimeter profiles are fixed to the ceiling, floor and side walls by means of mechanical connectors such as, e.g.: wall plugs, dowels, etc. The aforementioned mechanical connectors are placed every **80 cm**.

3 mm thick Norgips system polyethylene sealing tape is placed between the perimeter steel profiles and the ceiling, floor and side walls. Double profiles **CW 50, CW 75, CW 100 or VP 66, VP 70, VP 95, VP 120** are made from single profiles (respectively, CW 50, CW 75 or CW 100) which were connected with one another at their webs by being screwed using sheet steel screws **Ø 3.5 x 9.5 mm** with self-drilling endings placed at most every 40 cm. These double profiles are positioned vertically and slid between the bottom and top shelfs of, respectively, profiles **UW 50, UW 75, UW 100 or HP 66, HP**

70, HP 95, HP 120. The axes of the adjacent double profiles (**CW 50**, **CW 75, CW 100 or VP 66, VP 70, VP 95, VP 120**) are placed maximally every **60 cm** or every **62.5 cm**.

Boards **Norgips GKB type A** or **Norgips Acoustic type A** or **GKBI type H2** are fixed to the bottom **UW** profiles and **CW** profiles (posts) by means of system sheet steel screws **Ø 3.5 x 25 mm** placed maximally every **25 cm**.

Screw heads, the vertical and horizontal joints between the **GKB type A** boards or **Norgips Acoustic type A** or the **GKBI type H2** boards are covered with gypsum filler e.g. **Norgips Start** or **Norgips Super Filler** or ready mix **Norgips Start & Finish (Norgips Light Ready Mix)**. Self-adhesive reinforcing tapes made of glass fibre or interfacing are applied at the joints between the boards.

For final covering, it is recommended to use ready mix jointing compound **Norgips Start & Finish (Norgips Light Ready Mix)**, ready mix jointing compound e.g. **Norgips Extra Finish** or gypsum finish **Norgips Finish**. The wall is filled with mineral wool of at least 50 mm thickness and fire reaction class A1.

The fire resistance classification of the walls is provided in **Table 2 – see columns 9 and 11**, the maximum height of the walls is specified in **Table 2 – see columns 10 and 12**.

In places where there is the constructional dilatation of the building and when the length of a straight (without dilatation) section of the wall is more than 15 m one should apply dilatation according to Figures 5 and 6.

Electrical cables and wall boxes for electrical installations can be installed in the wall. The wall boxes should be protected with a layer of gypsum putty made of gypsum filler e.g. **Norgips Start** or **Norgips Super Filler** (the layer in question should be at least **15 mm** thick) or encased with gypsum plasterboards; the minimum distance between the edges of the wall boxes should be **60 mm**.

Constructional details regarding the partition walls are presented in Annex 1, in Figures 3 - 4.

3. Fire resistance test of the non-loadbearing partition wall with the cladding made of gypsum plasterboards manufactured by Norgips Sp. z o.o.

In the laboratory of the ICiMB – ŁUKASIEWICZ NETWORK in Kraków a fire resistance test was carried out on a non-load-bearing partition wall SD-1x12.5 GKB A CW50 W50 with double-sided plasterboard facings Norgips S GKB type A 1x12.5 mm thick by Norgips on system steel profiles CW 50 and UW 50 by Norgips Sp. z o.o. with a filling of 50 mm thick glass mineral wool. Test report No. 019.BO.23.AK [1.10].

4. Fire resistance classification of the non-loadbearing partition walls

Based on the analysis of the fire resistance test results indicated in item 3, the non-loadbearing partition walls with the cladding made of gypsum plasterboards manufactured by Norgips Sp. z o.o. prepared in accordance with the technical description presented in item 2, are classified:

- in accordance with standard PN-EN 13501-2:2023-09 [1.3] as belonging to the fire resistance classes indicated in Tables 1 ÷ 2, column 9, by the maximum heights specified in Tables 1 ÷ 3, column 10.
- in accordance with the criteria presented in standard PN-EN 13501-2:2023-09 [1.3] as belonging to the fire resistance classes indicated in Tables 1 ÷ 2, column 11, by the maximum heights specified in Tables 1 ÷ 3, column 12.

5. Non-loadbearing partition walls with the cladding made of gypsum plasterboards manufactured by Norgips Sp. z o.o. used as separation from fire

Non-loadbearing partition walls prepared in accordance with the technical description presented in item 2 can be used as separation from fire meeting the **REI** fire resistance criteria if the following conditions are met:

- the walls are fixed to or placed on the construction meeting the criteria for a fire resistance class equal to or higher than the fire resistance class (EI) of the wall,
- the walls are not subjected to the mechanical load generated by the construction of the building,
- the walls are fixed to the elements of the building in accordance with the building project.

6. Validity

The classification presented in item 4 is valid until 24.05.2029 on the condition that there are no changes in the construction or materials of the classified products.

Annex 1 – Drawings presenting the Norgips non-loadbearing partition walls, with the cladding made of gypsum plasterboards Norgips GKB type A, Norgips Acoustic type A, Norgips GKBI type H2

Annex 2 – Tables 1 - 2 presenting the technical data of the Norgips non-loadbearing partition walls, with the cladding made of gypsum plasterboards Norgips GKB type A, Norgips Acoustic type A, Norgips GKBI type H2

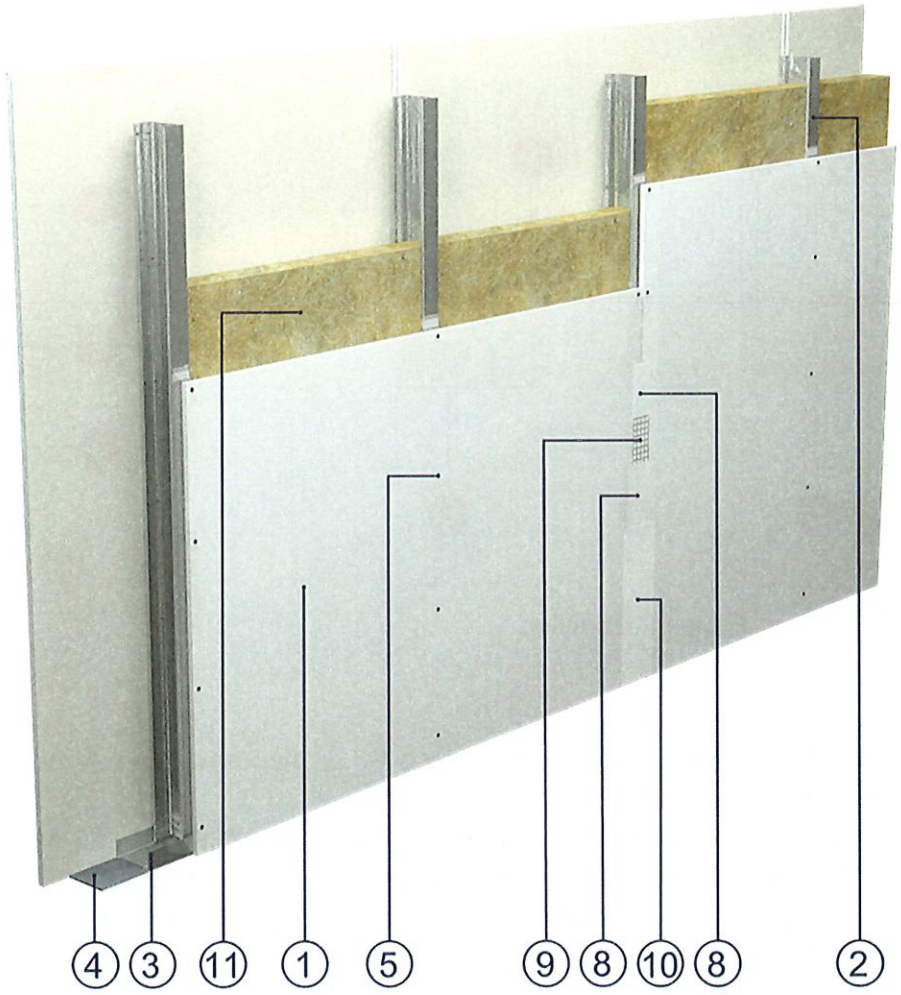
Prezes Zarządu
Andrzej Szarycki

GRYFITLAB Sp. z o.o.
Zespół Laboratoriów
Badawczych Gryfitlab
ul. Prosta 2, Łozienica
72-100 GOLENIÓW

Classification No. LBO – 130 – KZ/24E

Annex 1

Drawings presenting the Norgips non-loadbearing partition walls, with the cladding made of gypsum plasterboards Norgips GKB type A, Norgips Acoustic type A, Norgips GKBI type H2



1. Gypsum plasterboards Norgips GKB type A, Acoustic type A, GKBI type H2, thickness: 1 x 12.5 mm
2. Profiles e.g. Norgips CW 50, CW 75, CW 100 or VP 66, VP 70, VP 95, VP 120 made of at least 0.55 mm thick sheet, placed maximally every 60 cm or 62.5 cm
3. Profiles e.g. Norgips UW 50, UW 75, UW 100 or HP 66. HP 70, HP 95, HP 120 made of at least 0.55 mm thick sheet
4. Sealing tape e.g. Norgips
5. Sheet steel screws e.g. Norgips 3.5 mm x 25 mm placed every 25 cm
8. Gypsum filler e.g. Norgips Start or Norgips Super Filler, ready mix Norgips Start & Finish (Norgips Light Ready Mix)
9. Self-adhesive reinforcing tape made of glass fibre or interfacing e.g. Norgips
10. Gypsum finish e.g. Norgips Finish, ready mix jointing compound e.g. Norgips Extra Finish or Norgips Start & Finish (Norgips Light Ready Mix)
11. Mineral wool 50 mm thick

Figure 1 View of the wall

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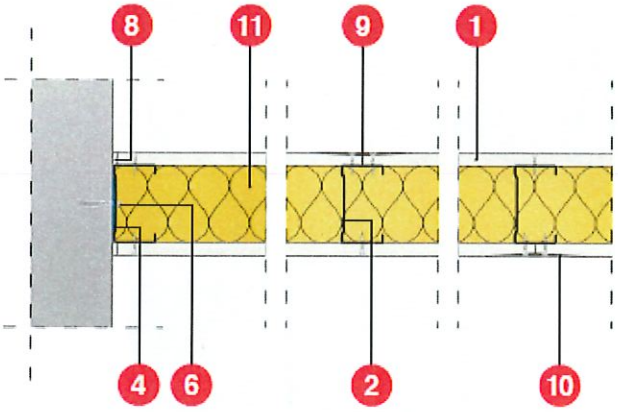
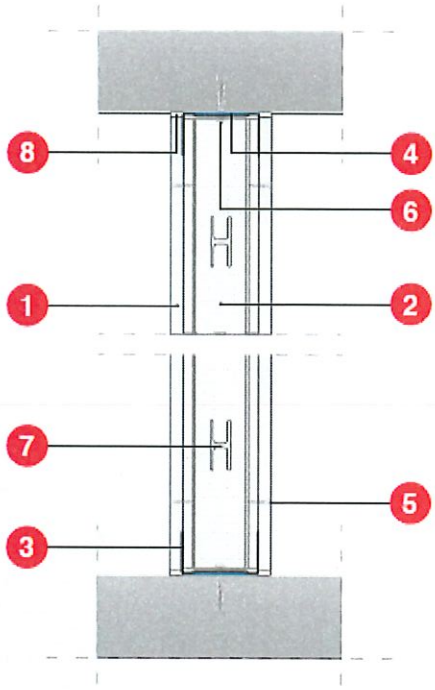


Horizontal section



Vercital section

1. Gypsum plasterboard Norgips GKB type A or Acoustic type A or GKBI type H2, thickness: 12.5 mm
2. Profile e.g. Norgips CW 50, CW 75, CW 100 or VP 66, VP 70, VP 95, VP 120 made of at least 0.55 mm thick sheet, placed maximally every 60 cm or 62.5 cm
3. Profile e.g. Norgips UW 50, UW 75, UW 100 or HP 66. HP 70, HP 95, HP 120 made of at least 0.55 mm thick sheet
4. Sealing tape e.g. Norgips
5. Sheet steel screws e.g. Norgips Ø 3.5 mm x 35 mm placed maximally every 25 cm
6. Mechanical connector, e.g. wall plug, dowel at least Ø6 x 40 mm placed maximally every 80 cm
7. Holes in the posts for running installation cables
8. Gypsum filler e.g. Norgips Start or Norgips Super Filler, ready mix Norgips Start & Finish (Norgips Light Ready Mix)
9. Self-adhesive reinforcing tape made of glass fibre or interfacing e.g. Norgips
10. Ready mix jointing compound Norgips Start & Finish (Norgips Light Ready Mix), ready mix jointing compound e.g. Norgips Extra Finish or gypsum finish Norgips Finish
11. Mineral wool 50 mm thick

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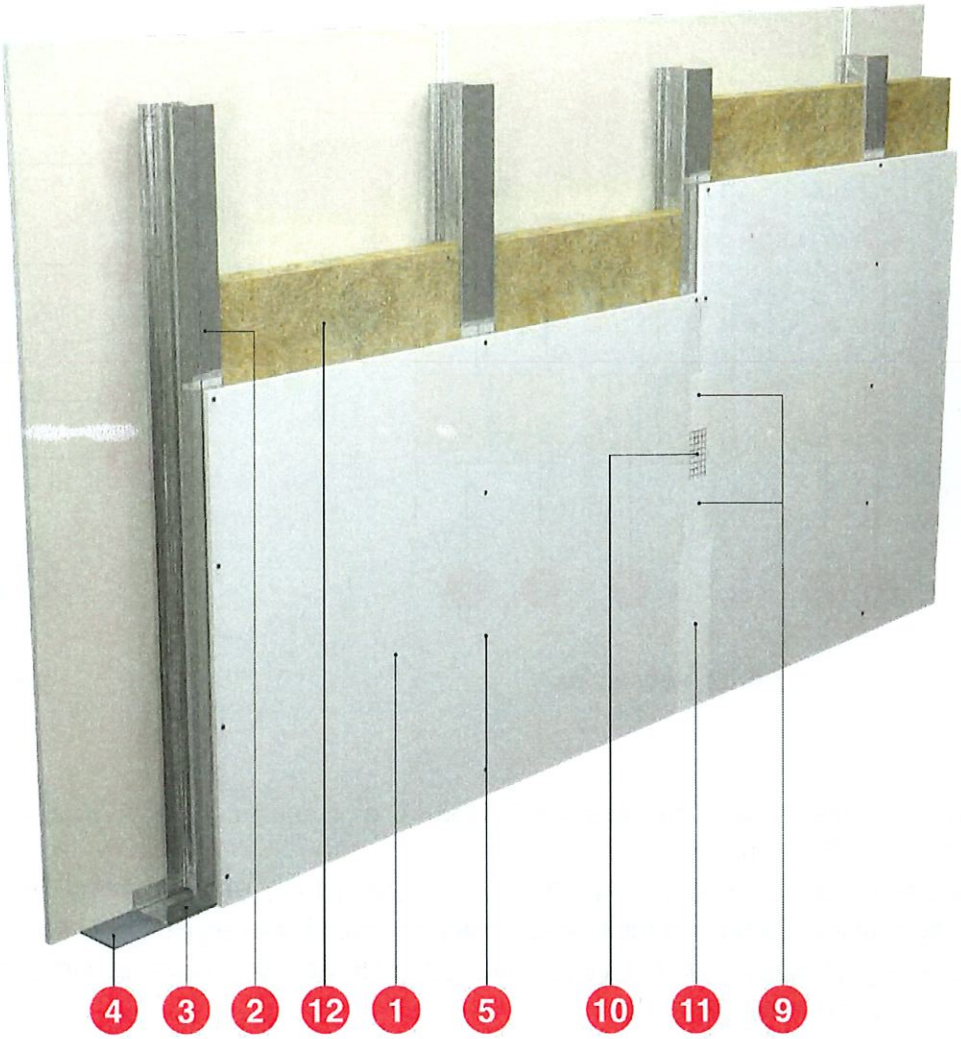
Figure 2 Constructional details of the partition wall



1. Gypsum plasterboards Norgips GKB type A, Acoustic type A, GKBI type H2, thickness: 1 x 12.5 mm
2. Double profiles e.g. Norgips CW 50, CW 75, CW 100 or VP 66, VP 70, VP 95, VP 120 made of at least 0.55 mm thick sheet, placed maximally every 60 cm or 62.5 cm
3. Profiles e.g. Norgips UW 50, UW 75, UW 100 or HP 66. HP 70, HP 95, HP 120 made of at least 0.55 mm thick sheet
4. Sealing tape e.g. Norgips
5. Sheet steel screws e.g. Norgips 3.5 mm x 25 mm placed every 25 cm
9. Gypsum filler e.g. Norgips Start or Norgips Super Filler, ready mix Norgips Start & Finish (Norgips Light Ready Mix)
10. Self-adhesive reinforcing tape made of glass fibre or interfacing e.g. Norgips
11. Gypsum finish e.g. Norgips Finish, ready mix jointing compound e.g. Norgips Extra Finish or Norgips Start & Finish (Norgips Light Ready Mix)
12. Mineral wool 50 mm thick

Figure 3 View of the wall

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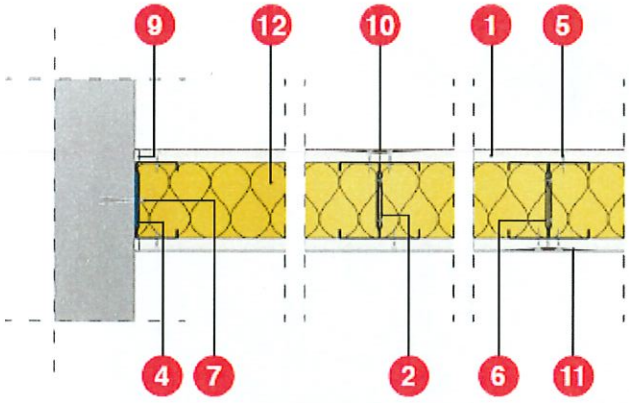
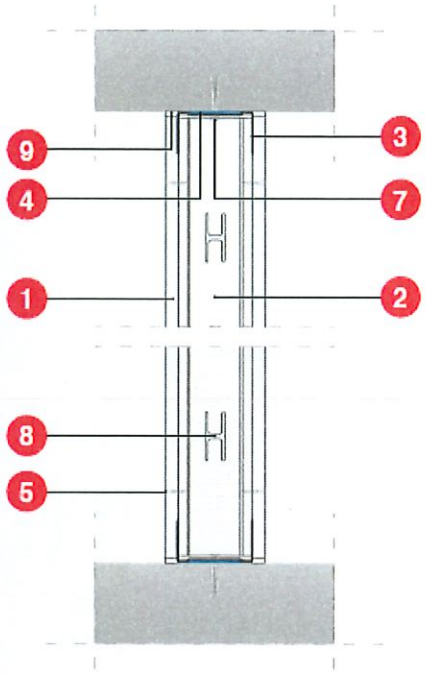


Horizontal section



Vercital section

1. Gypsum plasterboard Norgips GKB type A or Acoustic type A or GKBI type H2, thickness: 12.5 mm
2. Double profile e.g. Norgips CW 50, CW 75, CW 100 or VP 66, VP 70, VP 95, VP 120 made of at least 0.55 mm thick sheet, placed maximally every 60 cm or 62.5 cm
3. Profile e.g. Norgips UW 50, UW 75, UW 100 or HP 66. HP 70, HP 95, HP 120 made of at least 0.55 mm thick sheet
4. Sealing tape e.g. Norgips
5. Sheet steel screws e.g. Norgips Ø 3.5 mm x 35 mm placed maximally every 25 cm
6. Mechanical connector, e.g. wall plug, dowel at least Ø6 x 40 mm placed maximally every 80 cm
7. Holes in the posts for running installation cables
8. Gypsum filler e.g. Norgips Start or Norgips Super Filler, ready mix Norgips Start & Finish (Norgips Light Ready Mix)
9. Self-adhesive reinforcing tape made of glass fibre or interfacing e.g. Norgips
10. Ready mix jointing compound Norgips Start & Finish (Norgips Light Ready Mix), ready mix jointing compound e.g. Norgips Extra Finish or gypsum finish Norgips Finish
11. Mineral wool 50 mm thick

Figure 4 Constructional details of the partition wall

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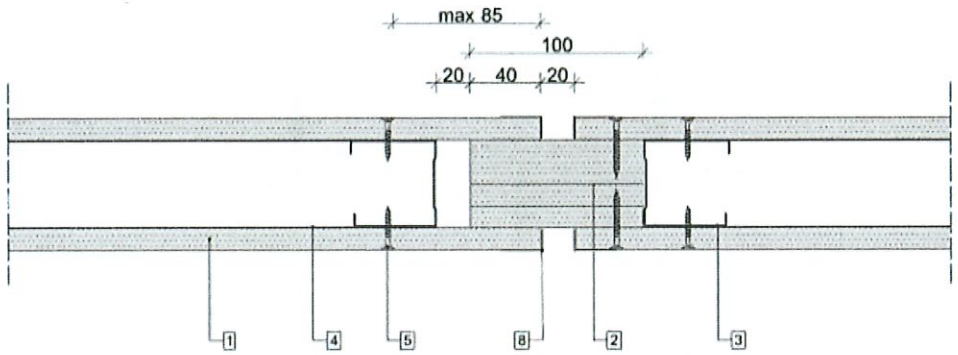
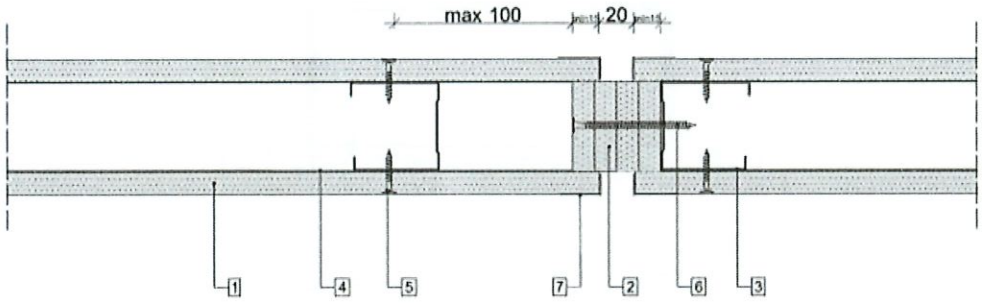


Expansion joint – variant 1



Expansion joint – variant 2

Elements of the dilatation of the partition wall with the framework made of profiles CW and UW 50

1. Gypsum plasterboards Norgips GKB type A, Acoustic type A, GKBI type H2, thickness: 1 x 12.5 mm
2. Strips of gypsum plasterboards Norgips GKB type A, Acoustic type A, GKBI type H2, thickness: 4 x 12.5 mm
3. Profiles e.g. Norgips CW 50 made of at least 0.55 mm thick sheet
4. Profiles e.g. Norgips UW 50 made of at least 0.55 mm thick sheet
5. Sheet steel screws e.g. Norgips 3.5 mm x 25 mm placed every 25 cm
6. Sheet steel screws e.g. Norgips 4.2 mm x 70 mm placed every 50 cm
7. Protection corner (recommended)

Figure 5 Constructional details of the partition wall

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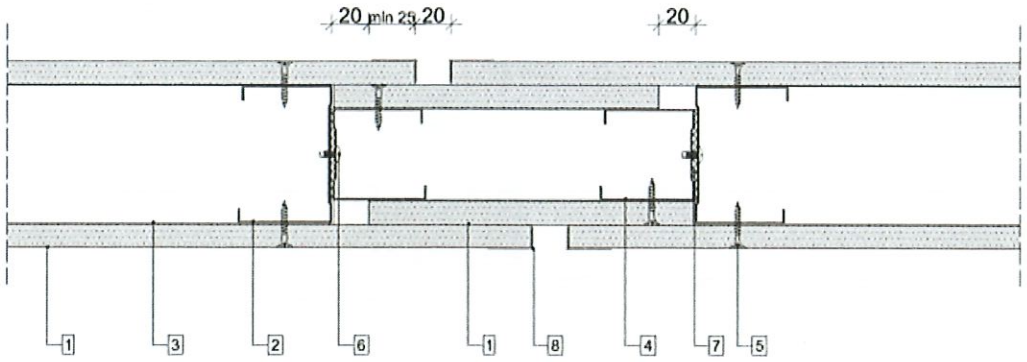
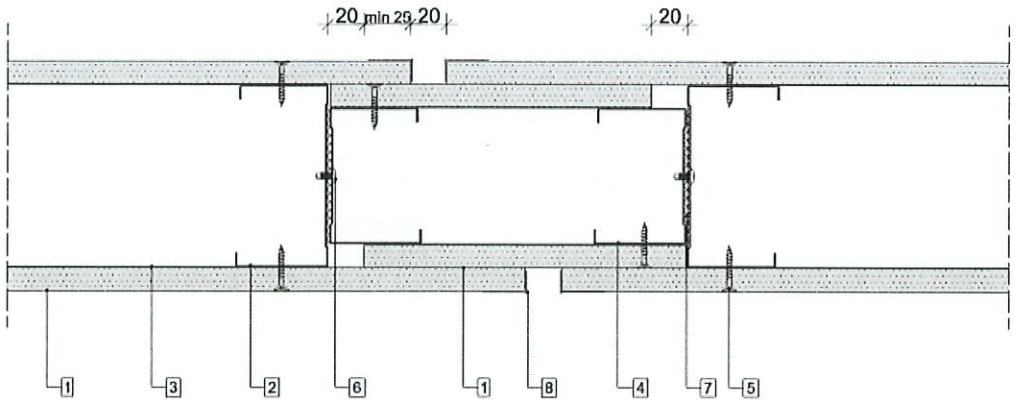


Expansion joint – variant 1

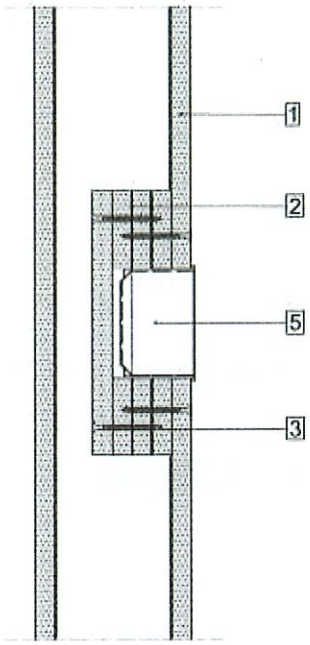


Expansion joint – variant 2

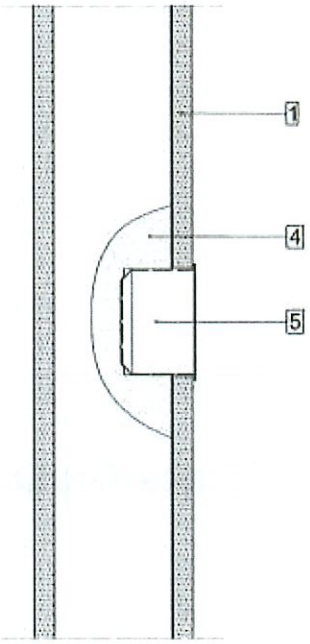
Elements of the dilatation of the partition wall with the framework made of profiles CW and UW 75 and 100

1. Gypsum plasterboards Norgips GKB type A, Acoustic type A, GKBI type H2, thickness: 1 x 12.5 mm
2. Profiles e.g. Norgips CW 75 or CW 100 made of at least 0.55 mm thick sheet
3. Profiles e.g. Norgips UW 75 or UW 100 made of at least 0.55 mm thick sheet
4. Profiles e.g. Norgips CW 50 or CW 75 made of at least 0.55 mm thick sheet
5. Sheet steel screws e.g. Norgips 3.5 mm x 25 mm placed every 25 cm
6. Sheet steel screws e.g. Norgips 3.5 mm x 9.5 mm placed every 50 cm
7. Sealing tape e.g. Norgips, width: 50 mm or 75 mm
8. Protection corner (recommended)

Figure 6 Constructional details of the partition wall



Protection by means of the encasing made of gypsum plasterboards



Protection by means of gypsum putty

Elements of the protection of wall boxes

1. Gypsum plasterboards Norgips GKB type A, Acoustic type A, GKBI type H2, thickness: 1 x 12.5 mm
2. Gypsum plasterboards Norgips GKB type A, Acoustic type A, GKBI type H2, thickness: 4 x 12.5 mm
3. Sheet steel screws e.g. Norgips 3.5 mm x 45 mm
4. Gypsum filler e.g. Norgips Start or Super Filler (thickness: at least 15 mm)
5. Wall box

Figure 7 Constructional details of the partition wall

Classification No. LBO – 130 – KZ/24E

Annex 2

Tables 1 - 3

Table 1

Technical data for the following types of the Norgips partition walls:
SD-1 x 12.5 GKB A/CW 50 W 50, SD-1 x 12.5 GKB A/CW 75 W 50, SD-1x12.5 GKB A/CW 100 W 50, SD-1x12.5 GKB A/VP 66 W 50, SD-1x12.5 GKB A/VP 70 W 70, SD-1x12.5 GKB A/VP 95 W 50, SD-1x12.5 GKB A/VP 120 W 50,SD-1 x 12.5 GKBI H2/CW 50 W 50, SD-1 x 12.5 GKBI H2/CW 75 W 50, SD-1x12.5 GKBI H2/CW 100 W 50, SD-1x12.5 GKBI H2/VP 66 W 50, SD-1x12.5 GKBI H2/VP 70 W 50, SD-1x12.5 GKBI H2/VP 95 W 50, SD-1x12.5 GKBI H2/VP 120 W 50

Symbol of the Norgips wall	Type of profiles	Maximum distance between the CW profiles [cm]	Type of the cladding made of gypsum plasterboards		Total thickness of the wall [mm]	Filling with mineral wool	Fire resistance classification of the wall			
							According to standard PN-EN 13501-2:2023-09		According to the criteria of standard PN-EN 13501-2:2023-09	
			Type/thickness [mm]	Minimum weight of the board [kg/m²]			Fire resistance class	Maximum height [cm]	Fire resistance class	Maximum height [cm]
1	2		3	4	5	6	9	10	11	12
SD-1x12.5 GKB A/CW 50 W 50 SD-1x12.5 GKB A/VP 66 W 50 SD-1x12.5 GKB A/VP 70 W 50	CW 50 VP 66 VP 70	60/62.5 40/41.7 30/31.3	A 1x12.5	6.5	75	Filling with any mineral wool of Min. thickness of 50 mm in fire reaction class A1	EI 15	330 400 400	EI 15	330 410 480
SD-1x12.5 GKB A/CW 75 W 50 SD-1x12.5 GKB A/VP 95 W 50	CW 75 VP 95	60/62.5 40/41.7 30/31.3	A 1x12.5	6.5	100		EI 15	400 400 400	EI 15	440 500 560
SD-1x12.5 GKB A/CW 100 W 50 SD-1x12.5 GKB A/VP 120 W 50	CW 100 VP 120	60/62.5 40/41.7 30/31.3	A 1x12.5	6.5	125		EI 15	400 400 400	EI 15	580 620 650
SD-1x12.5 GKBI H2/CW 50 W 50 SD-1x12.5 GKBI H2/VP 66 W 50 SD-1x12.5 GKBI H2/VP 70 W 50	CW 50 VP 66 VP 70	60/62.5 40/41.7 30/31.3	H2 1x12.5	7.0	75		EI 15	330 400 400	EI 15	330 410 480
SD-1x12.5 GKBI H2/CW 75 W 50 SD-1x12.5 GKBI H2/VP 95 W 50	CW 75 VP 95	60/62.5 40/41.7 30/31.3	H2 1x12.5	7.0	100		EI 15	400 400 400	EI 15	440 500 560
SD-1x12.5 GKBI H2/CW 100 W 50 SD-1x12.5 GKBI H2/VP 120 W 50	CW 100 VP 120	60/62.5 40/41.7 30/31.3	H2 1x12.5	7.0	125		EI 15	400 400 400	EI 15	580 620 650

Note: For acoustic reasons, it is possible to use mineral wool boards of the A1 class of reaction to fire and gypsum plasterboards of greater thickness and additional layers of boards.
Plasterboards Norgips HARD type DIR can be used interchangeably with plasterboards type A.

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Table 2

Technical data for the following types of the Norgips partition walls:
SD-1 x 12.5 GKB A/CW 50+CW 50 W 50, SD-1 x 12.5 GKB A/CW 75+CW 75 W 50, SD-1x12.5 GKB A/CW 100+CW 100 W 50, SD-1x12.5 GKB A/VP 66+VP 66 W 50, SD-1x12.5 GKB A/VP 70+VP 70 W 50, SD-1x12.5 GKB A/VP 95+VP 95 W 50, SD-1x12.5 GKB A/VP 120+VP 120 W 50, SD-1 x 12.5 GKBI H2/CW 50+CW 50 W 50, SD-1 x 12.5 GKBI H2/CW 75+CW 75 W 50, SD-1x12.5 GKBI H2/CW 100+CW 100 W 50, SD-1x12.5 GKBI H2/VP 66+VP 66 W 50, SD-1x12.5 GKBI H2/VP 70+VP 70 W 50, SD-1x12.5 GKBI H2/VP 95+VP 95 W 50, SD-1x12.5 GKBI H2/VP 120+VP 120 W 50

Symbol of the Norgips wall	Type of profiles	Maximum distance between the CW profiles [cm]	Type of the cladding made of gypsum plasterboards		Total thickness of the wall [mm]	Filling with mineral wool	Fire resistance classification of the wall			
							According to standard PN-EN 13501-2:2023-09		According to the criteria of standard PN-EN 13501-2:2023-09	
			Type/thickness [mm]	Minimum weight of the board [kg/m²]			Fire resistance class	Maximum height [cm]	Fire resistance class	Maximum height [cm]
1	2		3	4	5		9	10	11	12
SD-1x12.5 GKB A/CW 50+CW 50 W 50 SD-1x12.5 GKB A/VP 66+VP 66 W 50 SD-1x12.5 GKB A/VP 70+VP 70 W 50	2xCW 50 2xVP 66 2xVP 70	60/62.5 40/41.7 30/31.3	A 1x12.5	6.5	75	Filling with any mineral wool of Min. thickness of 50 mm in fire reaction class A1	EI 15	400 400 400	EI 15	430 520 600
SD-1x12.5 GKB A/CW 75+CW 75 W 50 SD-1x12.5 GKB A/VP 95+VP 95 W 50	2xCW 75 2xVP 95	60/62.5 40/41.7 30/31.3	A 1x12.5	6.5	100		EI 15	400 400 400	EI 15	570 630 650
SD-1x12.5 GKB A/CW 100+CW 100 W 50 SD-1x12.5 GKB A/VP 120+VP 120 W 50	2xCW 100 2xVP 120	60/62.5 40/41.7 30/31.3	A 1x12.5	6.5	125		EI 15	400 400 400	EI 15	650 650 650
SD-1x12.5 GKBI H2/CW 50+CW 50 W 50 SD-1x12.5 GKBI H2/VP 66+VP 66 W 50 SD-1x12.5 GKBI H2/VP 70+VP 70 W 50	2xCW 50 2xVP 66 2xVP 70	60/62.5 40/41.7 30/31.3	H2 1x12.5	7.0	75		EI 15	400 400 400	EI 15	430 520 600
SD-1x12.5 GKBI H2/CW 75+CW 75 W 50 SD-1x12.5 GKBI H2/VP 95+VP 95 W 50	2xCW 75 2xVP 95	60/62.5 40/41.7 30/31.3	H2 1x12.5	7.0	100		EI 15	400 400 400	EI 15	570 630 650
SD-1x12.5 GKBI H2/CW 100+CW 100 W 50 SD-1x12.5 GKBI H2/VP 120+VP 120 W 50	2xCW 100 2xVP 120	60/62.5 40/41.7 30/31.3	H2 1x12.5	7.0	125		EI 15	400 400 400	EI 15	650 650 650

Note: For acoustic reasons, it is possible to use mineral wool boards of the A1 class of reaction to fire and gypsum plasterboards of greater thickness and additional layers of boards.
Plasterboards Norgips HARD type DIR can be used interchangeably with plasterboards type A.

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Table 3

Technical data for the following types of the Norgips partition walls:
SD-1 x 12.5 ACO A/CW 50 W 50, SD-1 x 12.5 ACO A/CW 75 W 50, SD-1x12.5 ACO A/CW 100 W 50, SD-1x12.5 ACO A/VP 66 W 50, SD-1x12.5 ACO A/VP 70 W 70, SD-1x12.5 ACO A/VP 95 W 50, SD-1x12.5 ACO A/VP 120 W 50, SD-1 x 12.5 ACO A/CW 50+CW 50 W50, SD-1 x 12.5 ACO A/CW 75+CW 75 W50, SD-1x12.5 ACO A/CW 100+CW 100 W50, SD-1x12.5 ACOB A/VP 66+VP 66 W50, SD-1x12.5 ACO A/VP 70+VP 70 W50, SD-1x12.5 ACO A/VP 95+VP 95 W50, SD-1x12.5 GKB A/VP120+VP120 W50

Symbol of the Norgips wall	Type of profiles	Maximum distance between the CW profiles [cm]	Type of the cladding made of gypsum plasterboards		Total thickness of the wall [mm]	Filling with mineral wool	Fire resistance classification of the wall			
							According to standard PN-EN 13501-2:2023-09		According to the criteria of standard PN-EN 13501-2:2023-09	
			Type/thickness [mm]	Minimum weight of the board [kg/m²]			Fire resistance class	Maximum height [cm]	Fire resistance class	Maximum height [cm]
1	2		3	4	5	6	9	10	11	12
SD-1x12.5 ACO A/CW 50 W 50 SD-1x12.5 ACO A/VP 66 W 50 SD-1x12.5 ACO A/VP 70 W 50	CW 50 VP 66 VP 70	60/62.5 40/41.7 30/31.3	A 1x12.5	6.5	75	Filling with any mineral wool of Min. thickness of 50 mm in fire reaction class A1	EI 15	330 400 400	EI 15	330 410 480
SD-1x12.5 ACO A/CW 75 W 50 SD-1x12.5 ACO A/VP 95 W 50	CW 75 VP 95	60/62.5 40/41.7 30/31.3	A 1x12.5	6.5	100		EI 15	400 400 400	EI 15	440 500 560
SD-1x12.5 ACO A/CW 100 W 50 SD-1x12.5 ACO A/VP 120 W 50	CW 100 VP 120	60/62.5 40/41.7 30/31.3	A 1x12.5	6.5	125		EI 15	400 400 400	EI 15	580 620 650
SD-1x12.5 ACO A/CW 50+CW 50 W 50 SD-1x12.5 ACO A/VP 66+VP 66 W 50 SD-1x12.5 ACO A/VP 70+VP 70 W 50	2xCW 50 2xVP 66 2xVP 70	60/62.5 40/41.7 30/31.3	A 1x12.5	6.5	75		EI 15	400 400 400	EI 15	430 520 600
SD-1x12.5 ACO A/CW 75+CW 75 W 50 SD-1x12.5 ACO A/VP 95+VP 95 W 50	2xCW 75 2xVP 95	60/62.5 40/41.7 30/31.3	A 1x12.5	6.5	100		EI 15	400 400 400	EI 15	570 630 650
SD-1x12.5 ACO A/CW 100+CW 100 W 50 SD-1x12.5 ACO A/VP 120+VP 120 W 50	2xCW 100 2xVP 120	60/62.5 40/41.7 30/31.3	A 1x12.5	6.5	125		EI 15	400 400 400	EI 15	650 650 650

Note: For acoustic reasons, it is possible to use mineral wool boards of the A1 class of reaction to fire and gypsum plasterboards of greater thickness and additional layers of boards.
Plasterboards Norgips HARD type DIR can be used interchangeably with plasterboards type A.

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ul. Prosta 2, Łozienica
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