UL International (Netherlands) B.V.
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Member of EOTA
www.eota.eu

designated according to Article 29 of the Regulation (EU) No 305/2011 and member of EOTA (European Organisation for Technical Assessment, www.eota.eu)

European Technical Assessment

ETA 23/0052
of 13/10/2023

Technical Assessment Body issuing the ETA and designated according to Article 29 of the Regulation (EU) No 305/2011:	**UL International (Netherlands) B.V.**
Trade name of the construction product	Mulcol® Multisealant A
Product family to which the construction product belongs	Fire Stopping and Sealing Product: • Linear Joint and Gap Seals
Manufacturer	Mulcol International BV PO Box 93 4330 AB Middelburg The Netherlands
Manufacturing plant(s)	L/002
This European Technical Assessment contains	39 pages including 3 Annexes which form an integral part of this assessment.
This European Technical Assessment is issued in accordance with regulation (EU) No 305/2011, on the basis of	EAD 350141-00-1106

I. SPECIFIC PARTS OF THE EUROPEAN TECHNICAL ASSESSMENT

1. Technical description of the product

1) Multisealant A is a sealant used to form linear gap seals where gaps are present in wall and floor constructions andlinear joint seals where wall and floor constructions abut.

2) Multisealant A is supplied in liquid form contained within 310 ml cartridges and 600 ml foil packs.
The sealant is gunned into the aperture in the separating element/elements.

3) The use category of Multisealant A in relation to BWR 3 (Hygiene, health and environment) is IA1, S/W3.

The applicant has submitted a written declaration that Multisealant A does not contain substances which have to be classified as dangerous according to Directive 67/548/EEC and Regulation (EC) No 1272/2008 and listed in the “Indicative list on dangerous substances” of the EGDS - taking into account the installation conditions of the construction product and the release scenarios resulting from there.

In addition to the specific clauses relating to dangerous substances contained in this European technical Assess ment, there may be other requirements applicable to the products falling within its scope (e.g. transposed Europe an legislation and national laws, regulations and administrative provisions). In order to meet the provisionsof the Construction Products Regulation, these requirements need also to be complied with, when and where they apply.

2. Specification of the intended uses of the product in accordance with the applicable European Assessment Document (hereinafter EAD): EAD 350141-00-1106

Detailed information and data is given in Annex A.

1) The intended use of system Multisealant A is to reinstate the fire resistance performance of gaps in and joints in and between flexible wall and rigid wall constructions, gaps in and joints between rigid floor constructions.

2) The specific elements of construction that the system Multisealant A may be used to provide a linear joint or gap seal with specific supporting constructions and substrates, are as follows:

   a) Flexible walls: The wall must have a minimum thickness of 100 mm. Apertures in flexible walls are not required to be lined.

   b) Rigid walls: The wall must have a minimum thickness of 100 mm and comprise concrete, aerated concrete or masonry, with a minimum density of 350 kg/m^3.

   c) Rigid floors: The floor must have a minimum thickness of 150 mm and comprise aerated concrete or concrete with a minimum density of 400 kg/m^3.

   d) Metal deck floors: The floor must have a minimum (over-all) thickness of 150 mm and comprise of aerated concrete or concrete with a minium density of 400 kg/m^3. The metal should have a minium thickness of 0.7 mm.

   The supporting construction must be classified in accordance with EN 13501-2 for the required fire resistance period.

3) The maximum permitted joint/gap width for the Multisealant A system is 100mm.

4)

Test conditions	**Designation**
Specimen orientation - Horizontal supporting construction - Vertical supporting construction - vertical joint - Vertical supporting construction - horizontal joint	 H V T
Movement capability - No movement	 X
Type of splices - Manufactured - Field - Both manufactured and field	 M F B
Joint width range (in mm)	W00 - 99

The maximum movement capability of Multisealant A is ≤ 7.5%.

5) The provisions made in this European Technical Assessment are based on an assumed working life of the Multisealant A of 25 years, provided that the conditions laid down in the product data sheet regarding packaging/ transport/storage/installation/use/repair are met. The indications given on the working life cannot be interpreted as a guarantee given by the producer or the Technical Assessment Body but are to be regarded only as a means for choosing the right products in relation to the expected economically reasonable working life of the works.

6) Type Z_2: Intended for uses in internal conditions with humidity level lower than 85% RH, excluding temperatures below 0°C, without exposure to rain or UV.

7) It is allowed to replace PE / PU Foam backing with mineral wool backing.
Stone wool backing may be replaced by any mineral wool backing with the same or higher density.
Stone wool backing may also be replaced by Mulcol® Multitherm backing.

8) Depth of mineral wool backing may be increased.

3. Performance of the product and references to the methods used for its assessment

Product-type: Sealant		Intended use: Linear Joint and Gap Seal
Assesment method	Essential characteristic	Product Performance
BWR 2 Safety in case of fire		
EN 13501-1	Reaction to fire	E
EN 13501-2	Resistance to fire	Annex A
BWR 3 Hygiene, health and enviroment		
EN 1026	Air permeability	No performance determined
EAD 350454-00-1106, Annex C	Water permeability	No performance determined
Declaration of manufacturer & EN 16516	Release of dangerous substances	IA1, S/W 2 - Declaration of manufacturer
BWR 4 Safety in use		
EOTA TR 001:2003	Mechanical resistance and stability	No performance determined
EOTA TR 001:2003	Resistance to impact/movement	No performance determined
EOTA TR 001:2003	Adhesion	No performance determined
EAD 350454-00-1104, Clause 2.2.9	Durability	Z_2
ISO 11600	Movement capabilty	≤ 7.5%
EAD 350141-00-1106, Clause 2.2.14	Cycling of perimeter for curtain walls	No performance determined
EAD 350141-00-1106, Clause 2.2.15	Compression set	No performance determined
EAD 350141-00-1106, Clause 2.2.16	Linear expansion on setting	No performance determined
BWR 5 Protection against noise		
EN 10140-1,2,4,5 / EN ISO 7171-1	Airborne sound insulation	R_w (C;C_{tr}) = 54 (-3;-10) dB
BWR 6 Energy economy and theat retention		
EN 12664, EN 12667, EN 12939, EN ISO 8990, EN ISO 6946, EN ISO 14683, EN ISO 10211, EN ISO 10456	Thermal properties	No performance determined
EN ISO 12572, EN 12086, EN ISO 10456	Water vapour permeability	No performance determined

4. Assessment and Verification of Constancy of Performance (hereinafter AVCP) applied, with reference to its legal base

According to the decision 1999/454/EC – Commission Decision of date 22nd June 1999 on the procedure for attesting the conformity of construction products pursuant to Article 20(2) of Council Directive 89/106/EEC as regards to fire stopping, fire sealing and fire protective products, published in the Official Journal of the European Union (OJEU) L178/52 of 14/07/1999, see http://eur-lex.europa.eu/JOIndex.do) of the European Commission1, as amended, the system(s) of assessment and verification of constancy of performance (see Annex V to Regulation (EU) No 305/2011) given in the following table(s) applies (apply).

Product(s)	Intended use(s)	Level(s) or class(es)	System(s)
Fire stopping and Fire Sealing Products	For fire compartmentation and/or fire protection or fire performance	Any	1

5. Technical details necessary for the implementation of the AVCP system, as provided for in the applicable EAD

Tasks of the manufacturer:

Factory production control

The manufacturer shall exercise permanent internal control of production. All the elements, requirements and provisions adopted by the manufacturer shall be documented in a systematic manner in the form of written policies and procedures, including records of results performed. This production control system shall ensure that the product is in conformity with this European Technical Assessment.

The manufacturer may only use initial / raw / constituent materials stated in the technical documentation of this European Technical Assessment.

The factory production control shall be in accordance with the Control Plan of 15 June 2023 relating to the European Technical Assessment ETA 23/0052 issued on 13/10/2023 which is part of the technical documentation of this European Technical Assessment. The “Control Plan” is laid down in the context of the factory production control system operated by the manufacturer and deposited at UL International (Netherlands) B.V.

The results of factory production control shall be recorded and evaluated in accordance with the provisions of the Control Plan.

Other tasks of the manufacturer:

Additional information

The manufacturer shall provide a technical data sheet and an installation instruction with the following minimum information:

(a) Technical data sheet:

- Field of application:
- Building elements for which the penetration seal is suitable, type and properties of the building elements like minimum thickness, density, and - in case of lightweight constructions - the construction requirements.
- Limits in size, minimum thickness etc. of the penetration seal
- Construction of the penetration seal including the necessary components and additional products (e.g. backfilling material) with clear indication whether they are generic or specific.
- Services which the penetration seal is suitable, type and properties of the services like material, diameter, thickness etc. in case of pipes including insulation materials; necessary/allowed supports/fixings (e.g. pipe trays)

(b) Installation instruction:

- Steps to be followed
- Procedure in case of retrofitting
- Stipulations on maintenance, repair and replacement

6. Issued on:

13 October 2023

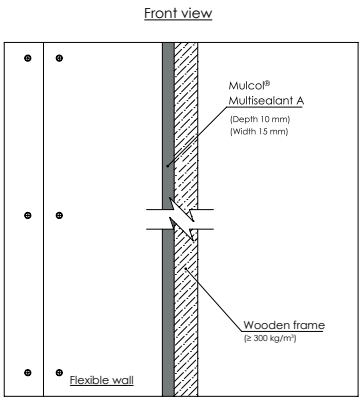
Report by:	Verified by:	Validated by:
		
C. Johnson	D. Yates	Erik Teubler
Senior Staff Engineer	Staff Engineer	Head of TAB
Built Environment	Built Environment	Built Environment

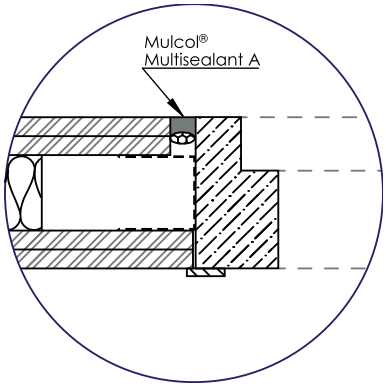
For and on behalf of UL International (Netherlands) B.V.

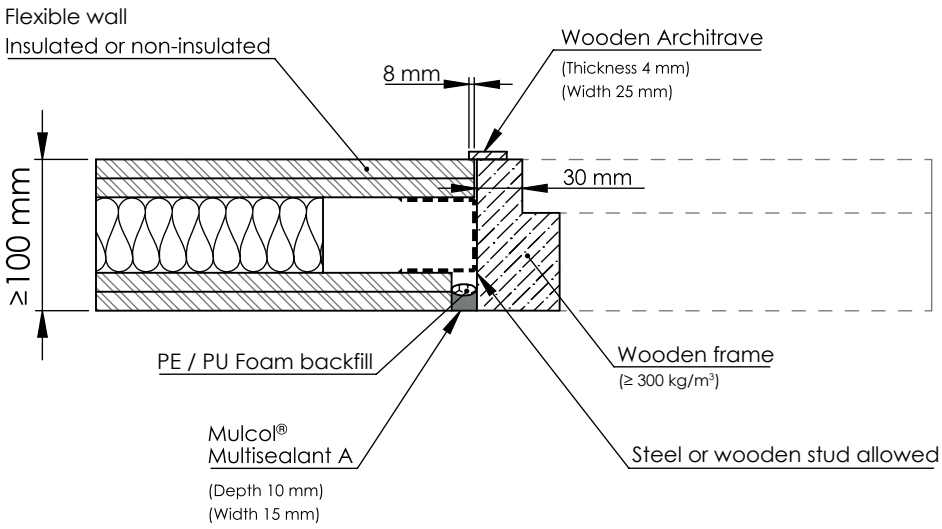
Annex A - Resistance to Fire Classification - Mulcol® Multisealant A

A.1.1 Flexible wall - Wooden frame

A.1.1.1 Flexible wall ≥ 100 mm - Wooden frame - w15 x d10 mm, either side





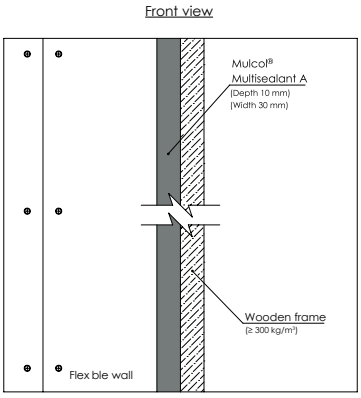


Drawing: FW-W.E-MSA1.2.2.12

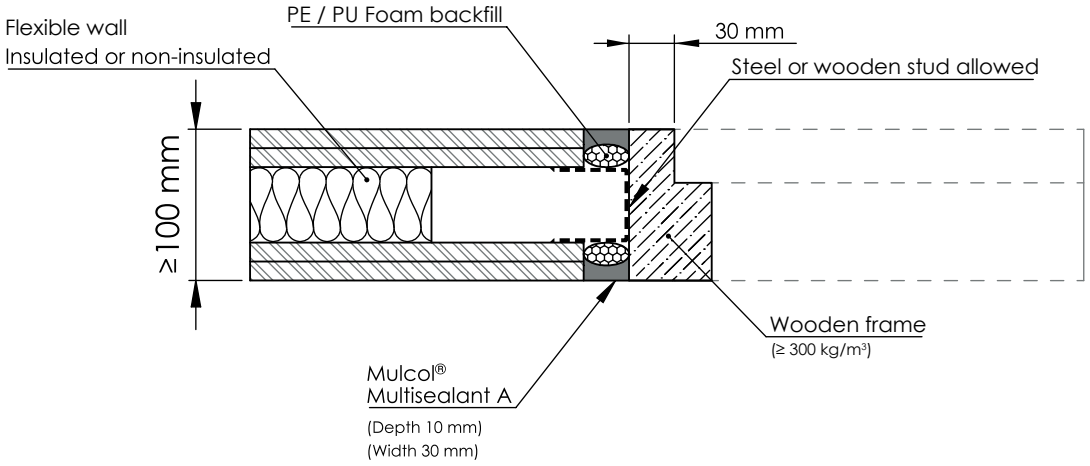
Construction	Width (mm)	Depth (mm)	Backing	Position	Classification
Flexible wall - Wooden frame	≤ 15	≥ 10	PE / PU Foam	Either side	**EI 90 - V - X - F - W00 to W15**

A.1.1 Flexible wall - Wooden frame

A.1.1.2 Flexible wall ≥ 100 mm - Wooden frame - w30 x d10 mm, both sides



Top view

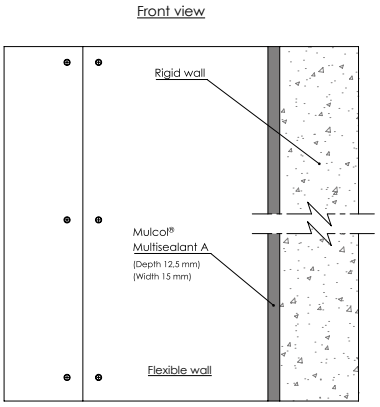


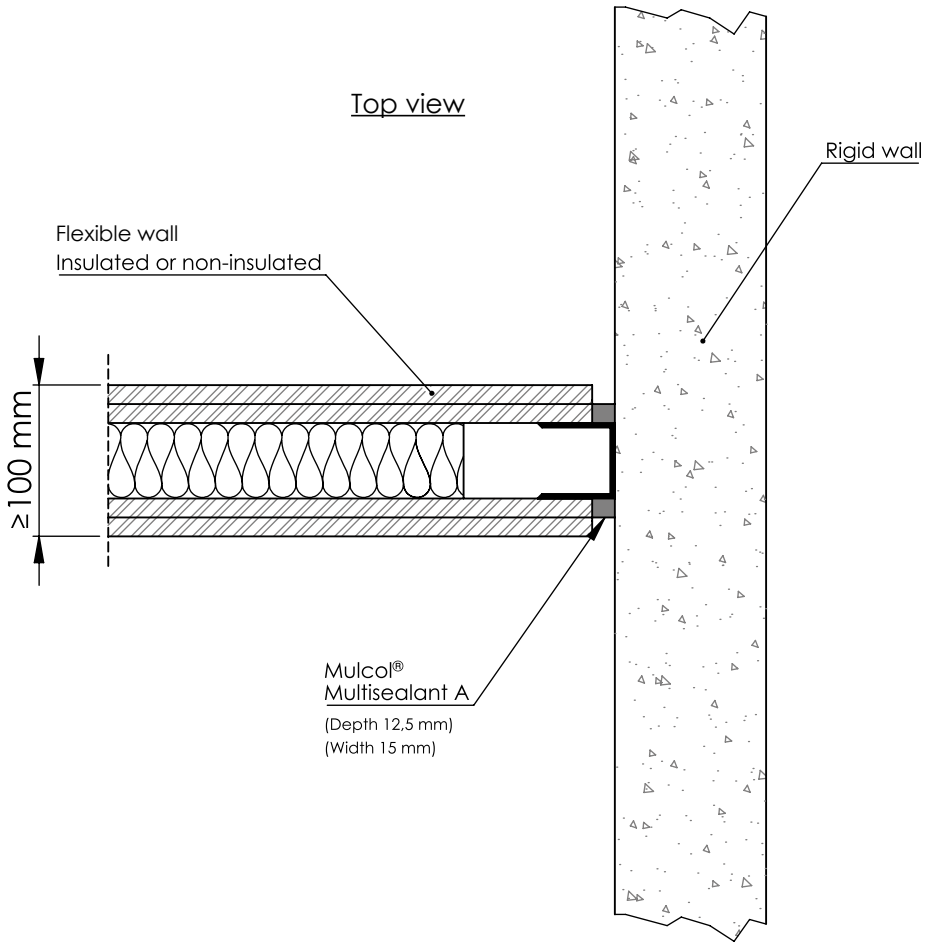
Drawing: FW-W.E-MSA2.2.2.15.2

Construction	Width (mm)	Depth (mm)	Backing	Position	Classification
Flexible wall - Wooden frame	≤ 30	≥ 10	PE / PU Foam	Both sides	**EI 90 - V - X - F - W00 to W30**

A.1.2 Flexible wall to rigid wall - Vertical

A.1.2.1 Flexible wall ≥ 100 mm - Rigid wall ≥ 100 mm - w15 x d12.5 mm, both sides



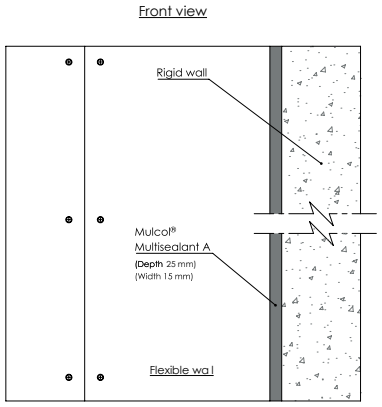


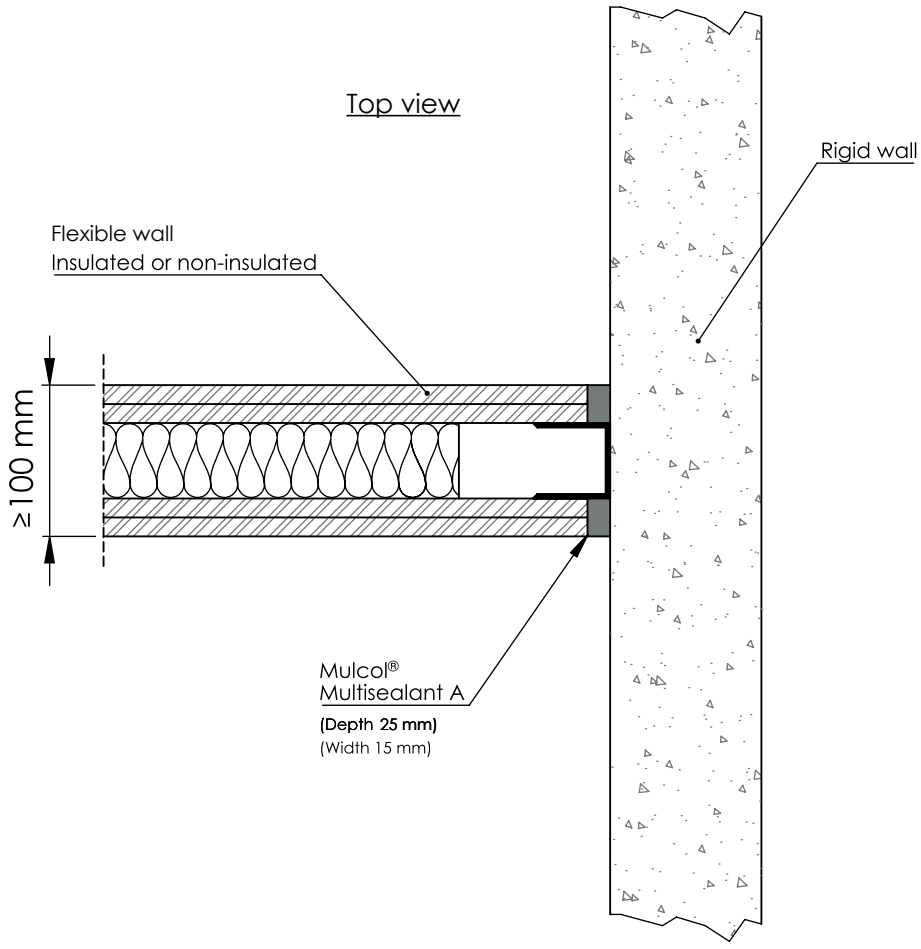
Drawing: FW-RW.E-MSA2.2.2.22

Construction	Width (mm)	Depth (mm)	Backing	Position	Classification
Flexible wall to rigid wall	≤ 15	≥ 12.5	Steel stud	Both sides	**EI 90, E 180 - V - X - F - W00 to W15**

A.1.2 Flexible wall to rigid wall - Vertical

A.1.2.2 Flexible wall ≥ 100 mm - Rigid wall ≥ 100 mm - w15 x d25 mm, both sides



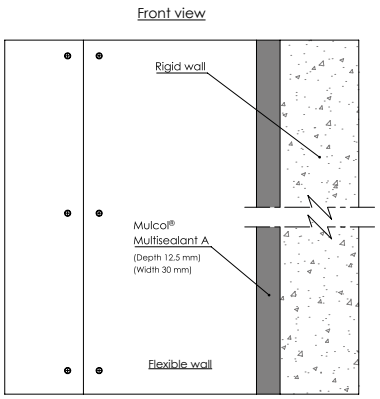


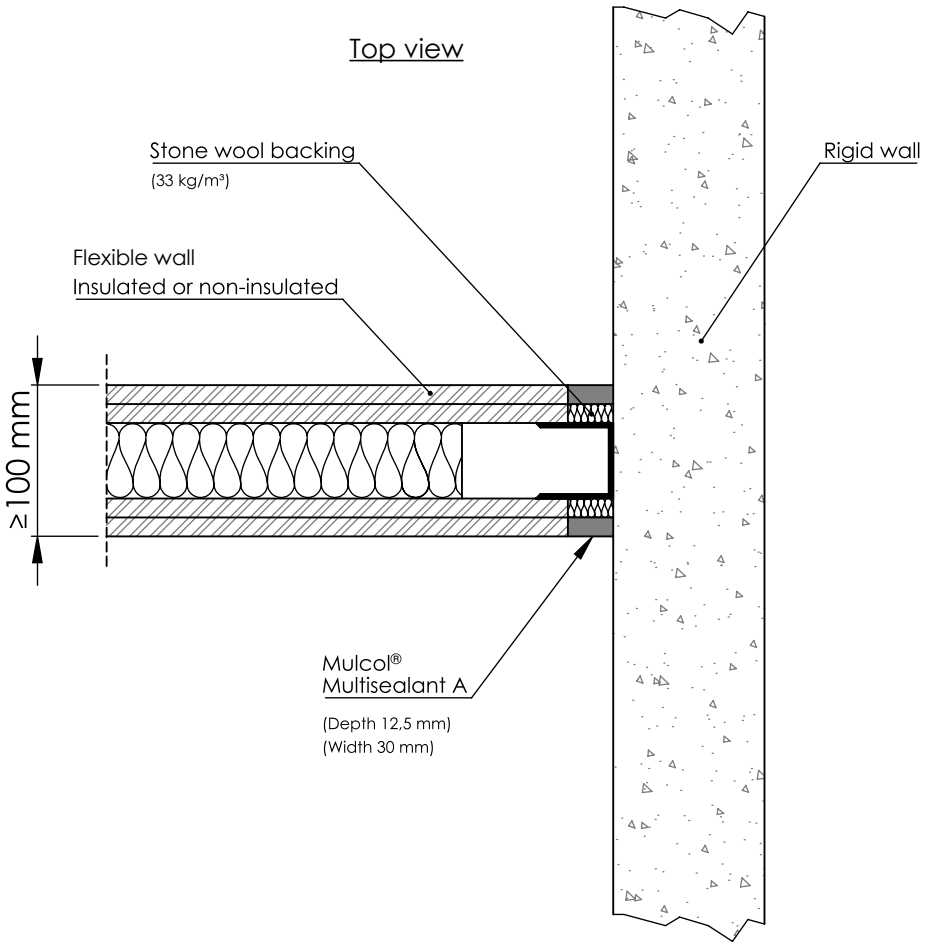
Drawing: FW-RW.E-MSA2.2.2.42

Construction	Width (mm)	Depth (mm)	Backing	Position	Classification
Flexible wall to rigid wall	≤ 15	≥ 25	Steel stud	Both sides	**EI 90, E 180 - V - X - F - W00 to W15**

A.1.2 Flexible wall to rigid wall - Vertical

A.1.2.3 Flexible wall ≥ 100 mm - Rigid wall ≥ 100 mm - w30 x d12.5 mm, both sides



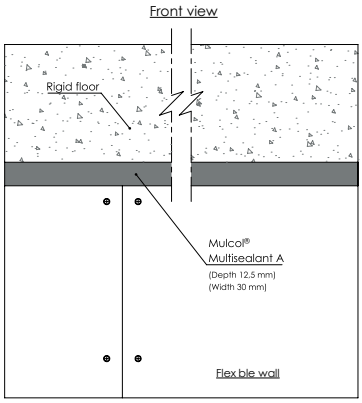


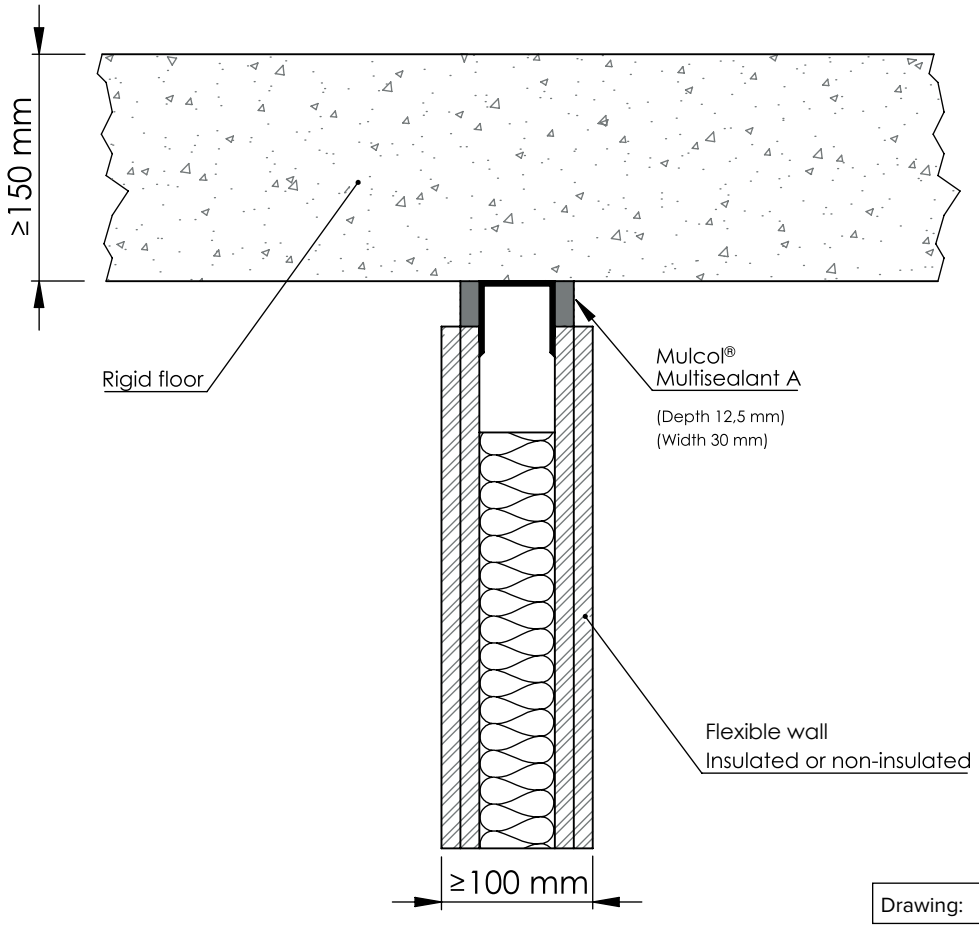
Drawing: FW-RW.E-MSA2.2.2.25.1

Construction	Width (mm)	Depth (mm)	Backing	Position	Classification
Flexible wall to rigid wall	≤ 30	≥ 12.5	≥ 12.5 mm stone wool (≥ 33 kg/m³) Steel stud	Both sides	**EI 120, E 180 - V - X - F - W00 to W30**

A.1.3 Flexible wall to rigid floor - Horizontal

A.1.3.1 Flexible wall ≥ 100 mm - Rigid floor ≥ 150 mm - w30 x 12.5 mm, both sides



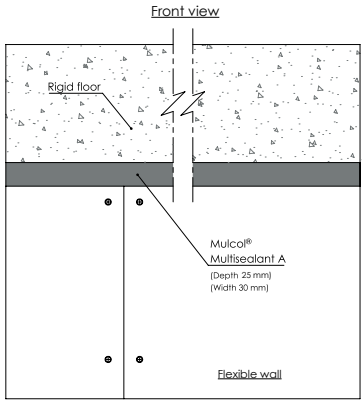


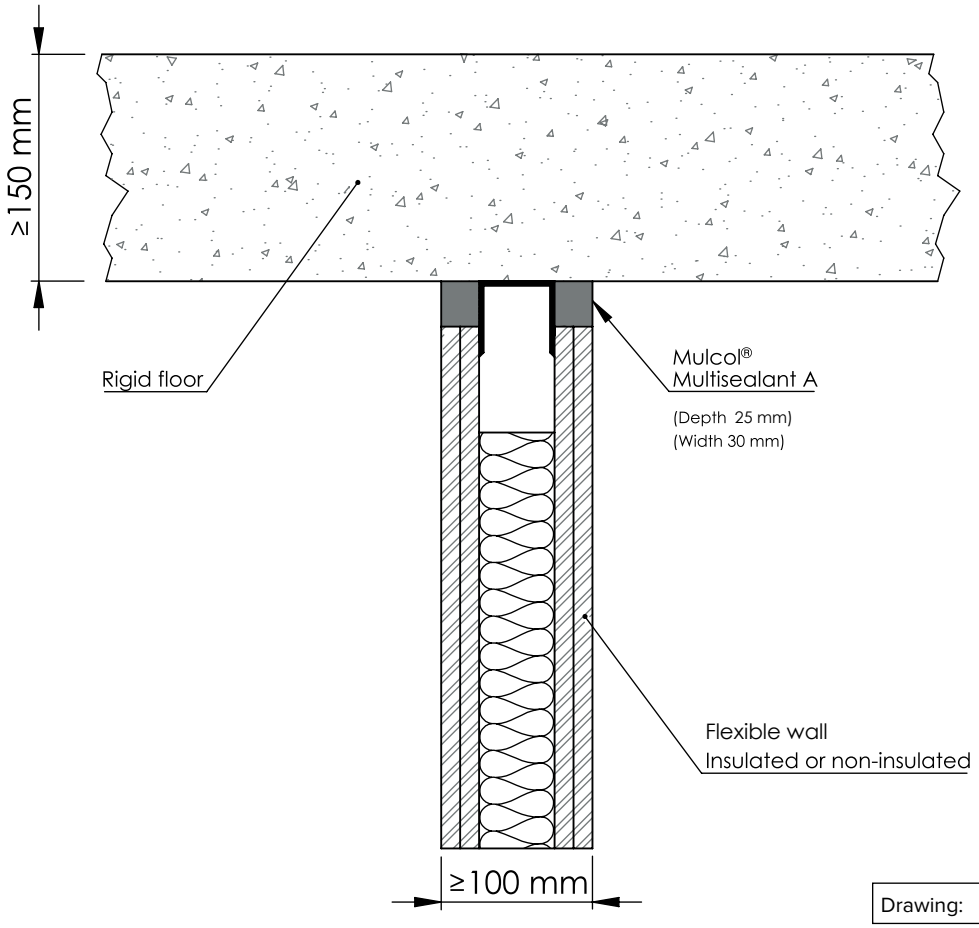
Drawing: FW-RF.E-MSA2.1.2.25

Construction	Width (mm)	Depth (mm)	Backing	Position	Classification
Flexible wall to rigid floor	≤ 30	≥ 12.5	Steel head track	Both sides	**EI 120, E 180 - T - X - F - W00 to W30**

A.1.3 Flexible wall to rigid floor - Horizontal

A.1.3.2 Flexible wall ≥ 100 mm - Rigid floor ≥ 150 mm - w30 x 25 mm, both sides



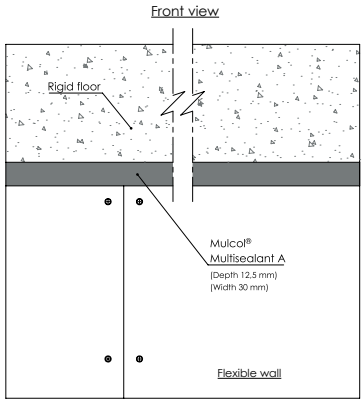


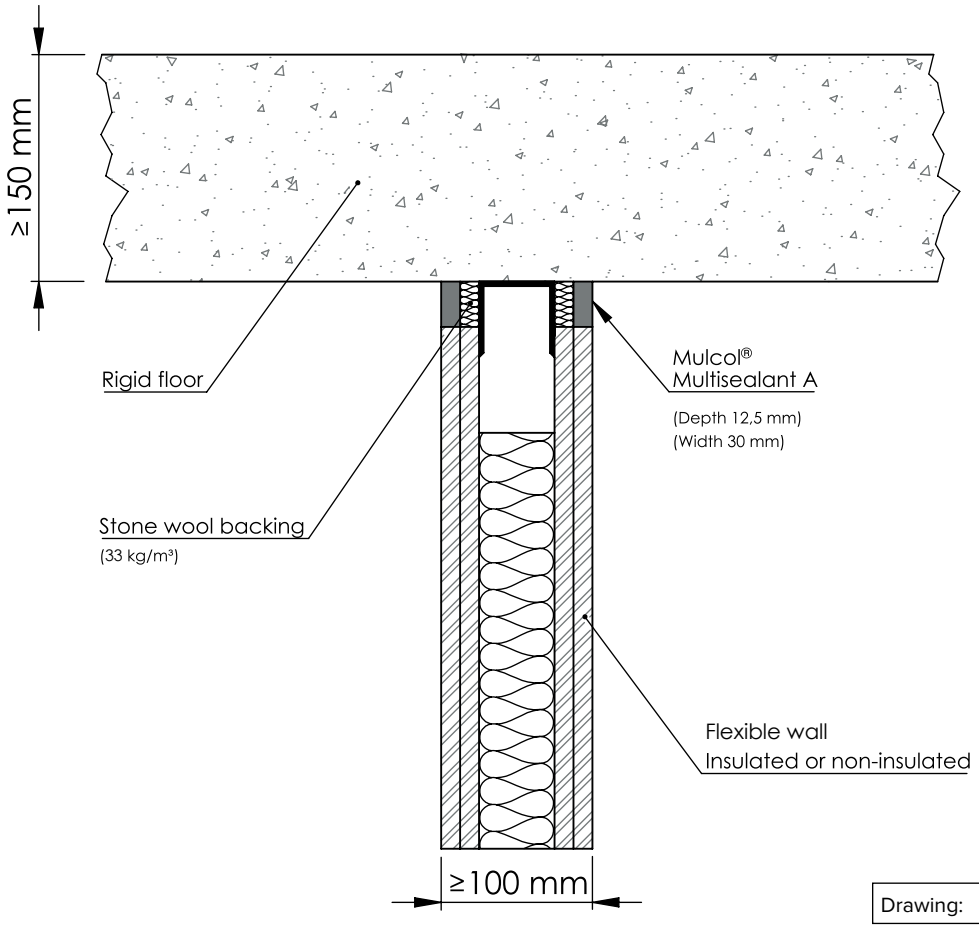
Drawing: FW-RF.E-MSA2.1.2.45

Construction	Width (mm)	Depth (mm)	Backing	Position	Classification
Flexible wall to rigid floor	≤ 30	≥ 25	Steel head track	Both sides	**EI 120, E 180 - T - X - F - W00 to W30**

A.1.3 Flexible wall to rigid floor - Horizontal

A.1.3.3 Flexible wall ≥ 100 mm - Rigid floor ≥ 150 mm - w30 x d12.5 mm, both sides



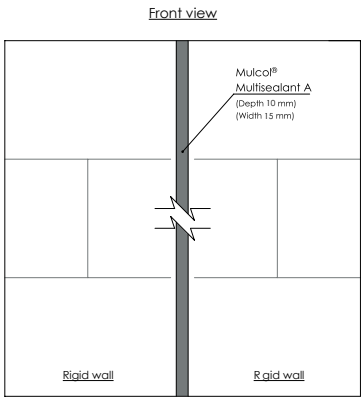


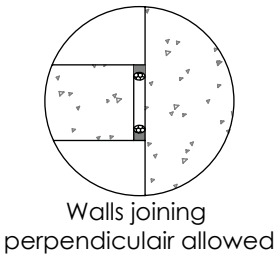
Drawing: FW-RF.E-MSA2.1.2.25.1

Construction	Width (mm)	Depth (mm)	Backing	Position	Classification
Flexible wall to rigid floor	≤ 30	≥ 12.5	≥ 12.5 mm stone wool (≥ 33 kg/m³) Steel head track	Both sides	**EI 120, E 180 - T - X - F - W00 to W30**

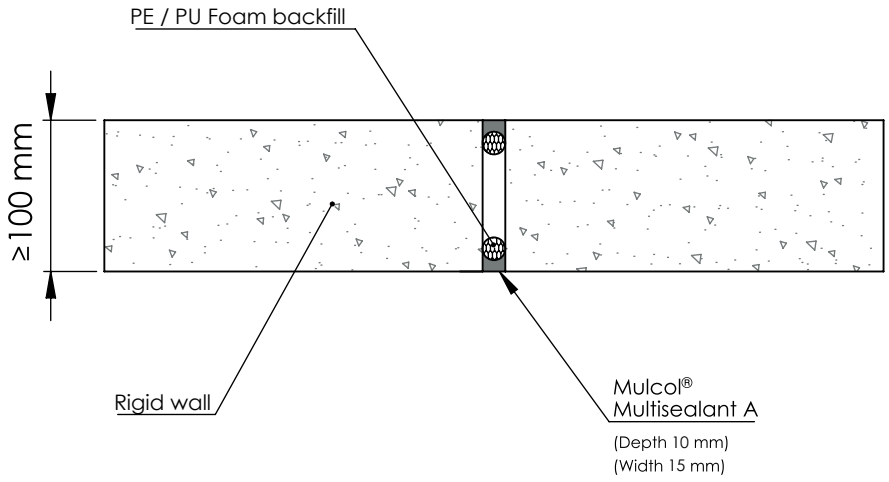
A.1.4 Rigid wall to rigid wall - Vertical

A.1.4.1 Rigid wall ≥ 100 mm - w15 x d10 mm, both sides





Top view

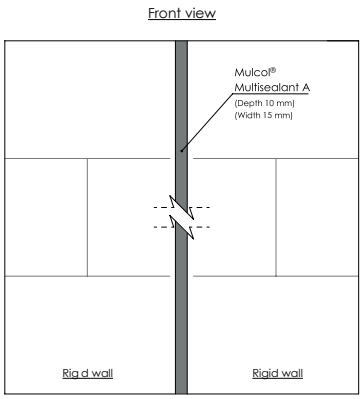


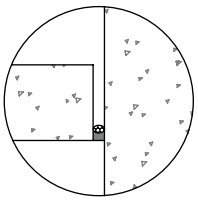
Drawing: RW-RW.E-MSA2.2.2.12.2

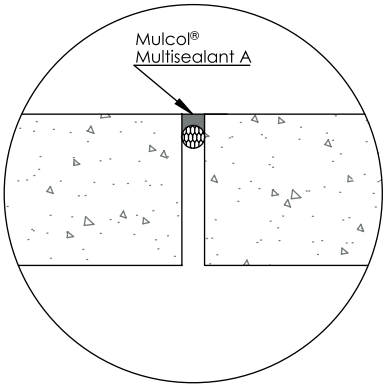
Construction	Width (mm)	Depth (mm)	Backing	Position	Classification
Rigid wall to rigid wall	≤ 15	≥ 10	PE / PU Foam	Both sides	**EI 180 - V - X - F - W00 to W15**

A.1.4 Rigid wall to rigid wall - Vertical

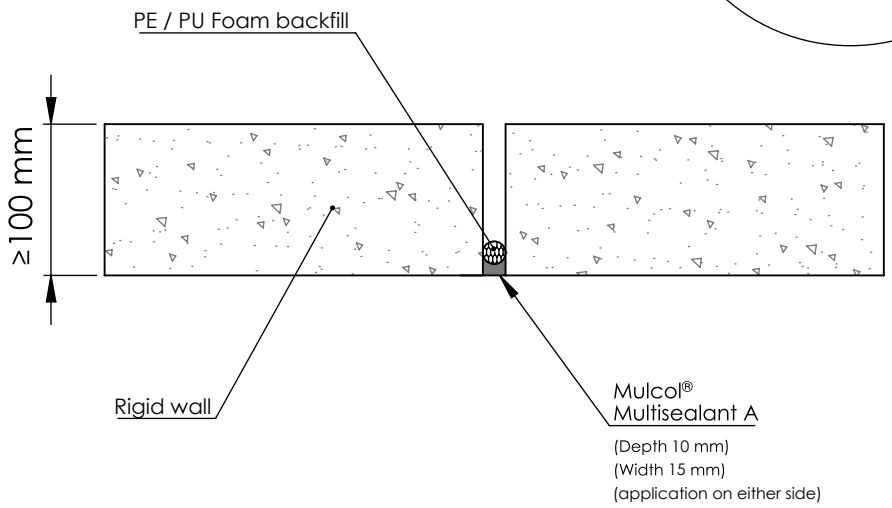
A.1.4.2 Rigid wall ≥ 100 mm - w15 x d10 mm, either side







Top view

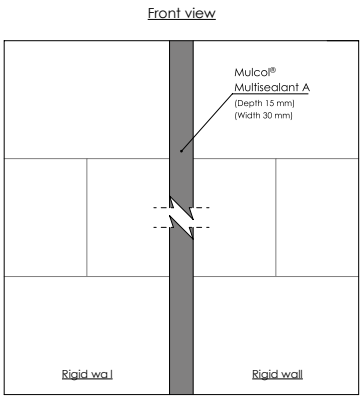


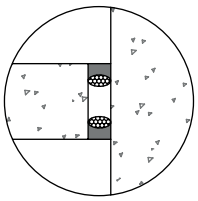
Drawing: RW-RW.E-MSA1.2.2.12.2.1

Construction	Width (mm)	Depth (mm)	Backing	Position	Classification
Rigid wall to rigid wall	≤ 15	≥ 10	PE / PU Foam	Either side	**EI 30, E 180 - V - X - F - W00 to W15**

A.1.4 Rigid wall to rigid wall - Vertical

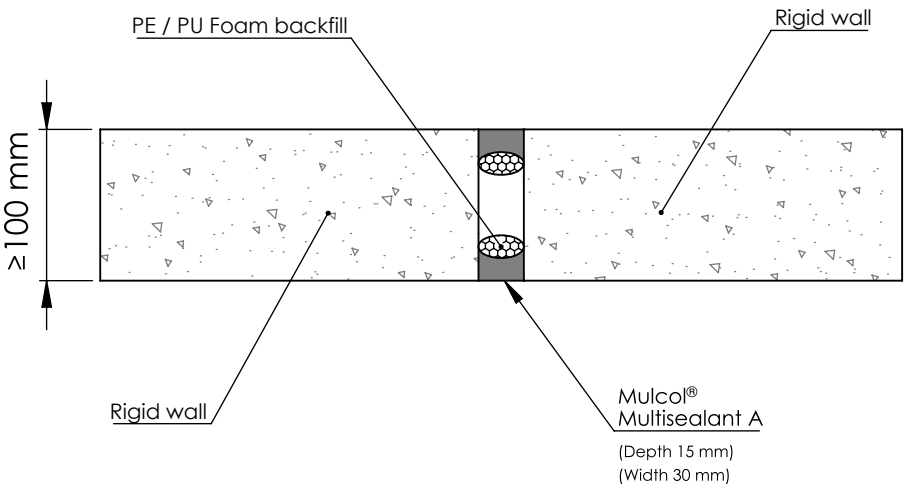
A.1.4.3 Rigid wall ≥ 100 mm - w30 x d15 mm, both sides





Walls joining
perpendiculair allowed

Top view

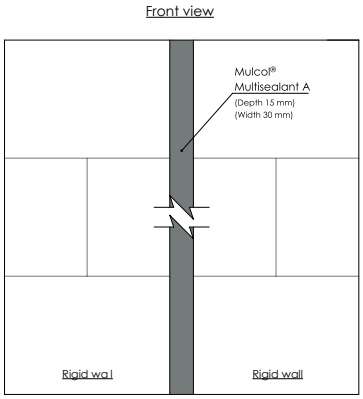


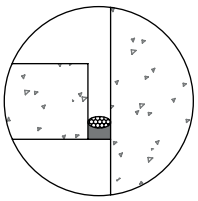
Drawing: RW-RW.E-MSA2.2.2.35

Construction	Width (mm)	Depth (mm)	Backing	Position	Classification
Rigid wall to rigid wall	≤ 30	≥ 15	PE / PU Foam	Both sides	**EI 120, E 180 - V - X - F - W00 to W30**

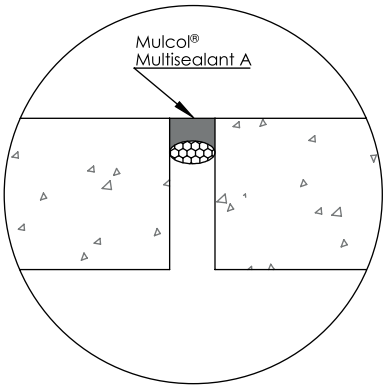
A.1.4 Rigid wall to rigid wall - Vertical

A.1.4.4 Rigid wall ≥ 100 mm - w30 x d15 mm, either side

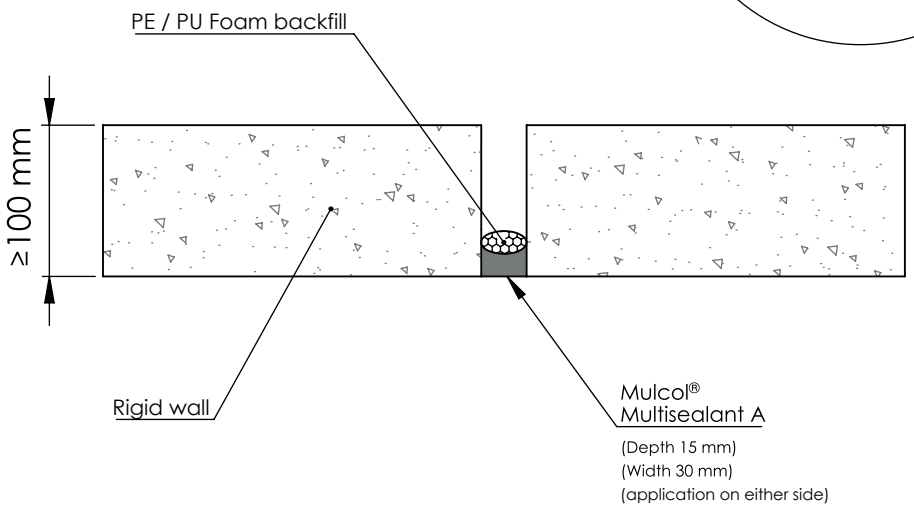




Walls joining
perpendiculair allowed



Top view

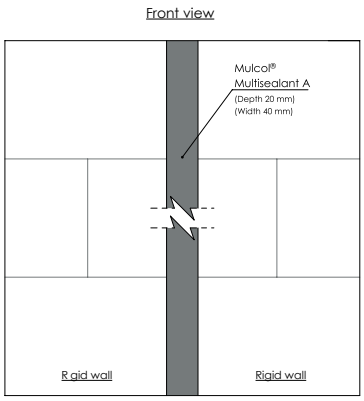


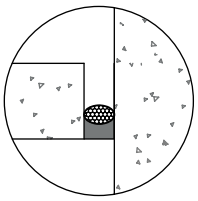
Drawing: RW-RW.E-MSA1.2.2.35

Construction	Width (mm)	Depth (mm)	Backing	Position	Classification
Rigid wall to rigid wall	≤ 30	≥ 15	PE / PU Foam	Either side	**EI 60, E 180 - V - X - F - W00 to W30**

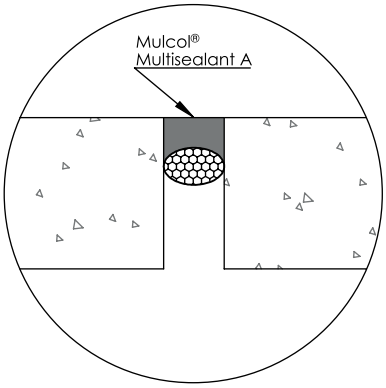
A.1.4 Rigid wall to rigid wall - Vertical

A.1.4.5 Rigid wall ≥ 100 mm - w40 x d20 mm, either side

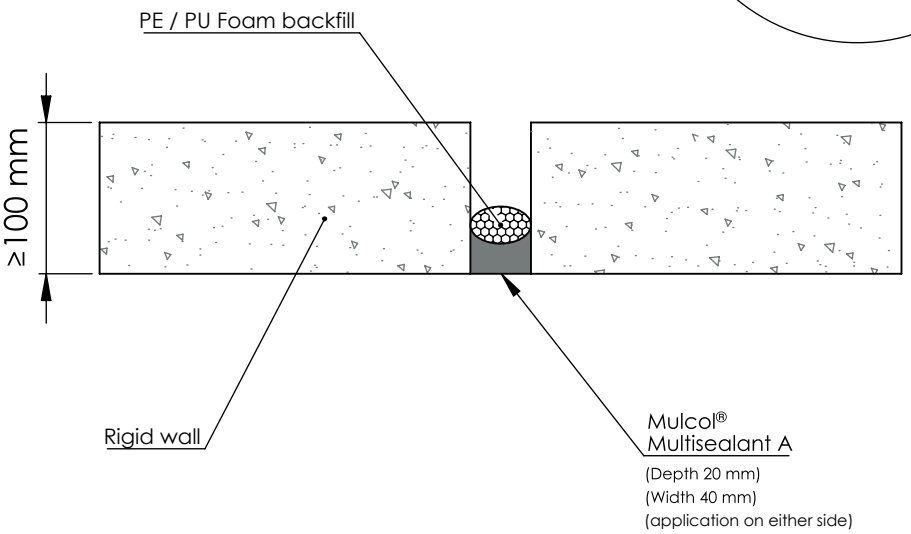




Walls joining
perpendiculair allowed



Top view

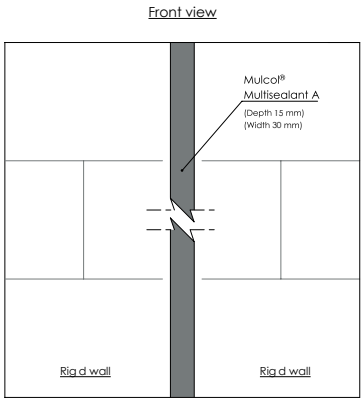


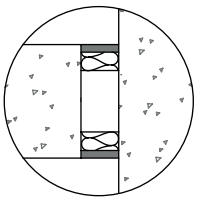
Drawing: RW-RW.E-MSA1.2.2.46

Construction	Width (mm)	Depth (mm)	Backing	Position	Classification
Rigid wall to rigid wall	≤ 40	≥ 20	PE / PU Foam	Either side	**EI 30, E 180 - V - X - F - W00 to W40**

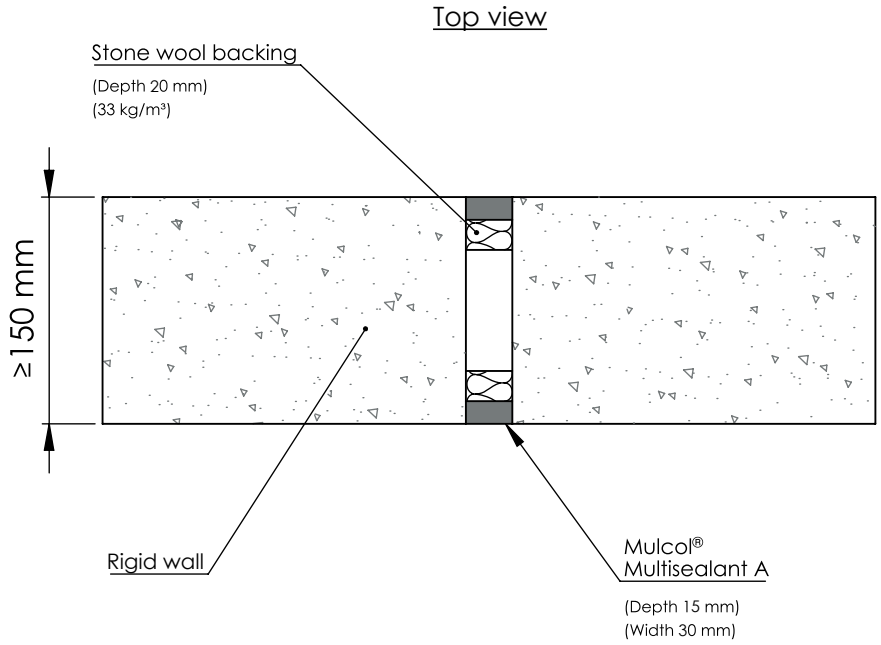
A.1.4 Rigid wall to rigid wall - Vertical

A.1.4.6 Rigid wall ≥ 150 mm - w30 x d15 mm, both sides





Walls joining
perpendiculair allowed

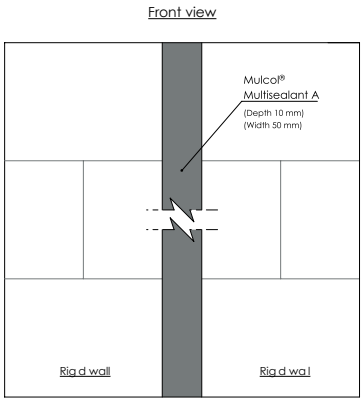


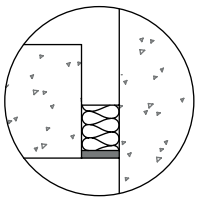
Drawing: RW-RW.E-MSA2.2.2.35.1

Construction	Width (mm)	Depth (mm)	Backing	Position	Classification
Rigid wall to rigid wall	≤ 30	≥ 15	≥ 20 mm stone wool (≥ 33 kg/m^3)	Both sides	**EI 240 - V - X - F - W00 to W30**

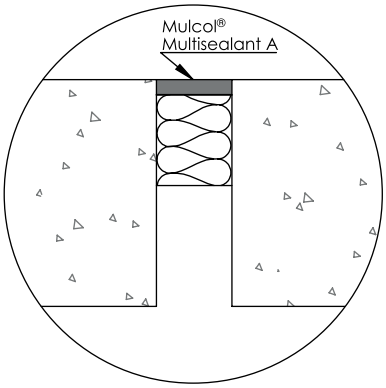
A.1.4 Rigid wall to rigid wall - Vertical

A.1.4.7 Rigid wall ≥ 150 mm - w50 x d10 mm, either side

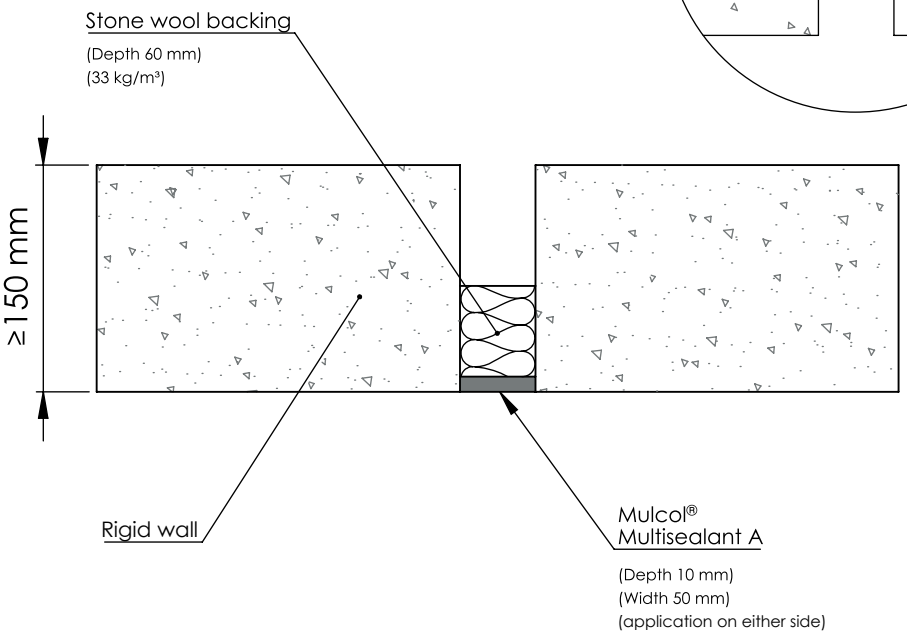




Walls joining
perpendiculair allowed



Top view

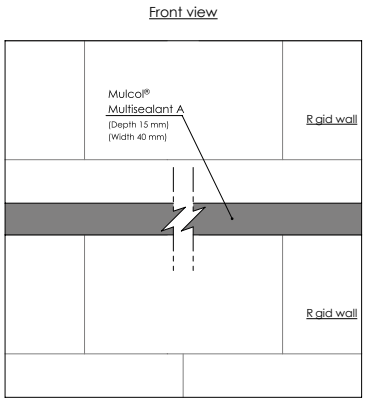


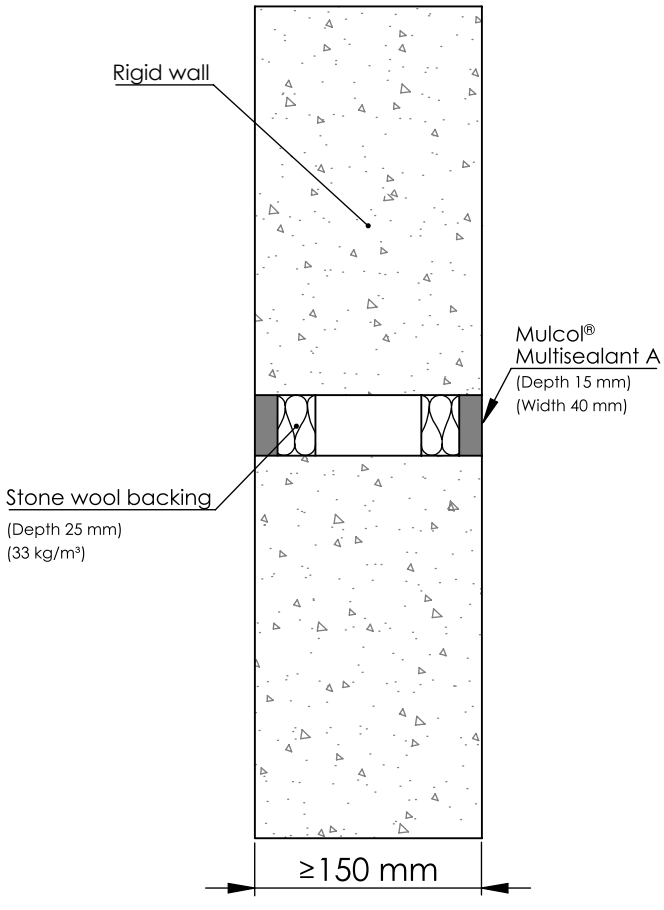
Drawing: RW-RW.E-MSA1.2.2.17.1

Construction	Width (mm)	Depth (mm)	Backing	Position	Classification
Rigid wall to rigid wall	≤ 50	≥ 10	≥ 60 mm stone wool (≥ 33 kg/m^3)	Either side	**EI 120, E 180 - V - X - F - W00 to W50**

A.1.5 Rigid wall to rigid wall - Horizontal

A.1.5.1 Rigid wall ≥ 150 mm - w40 x d15 mm, both sides



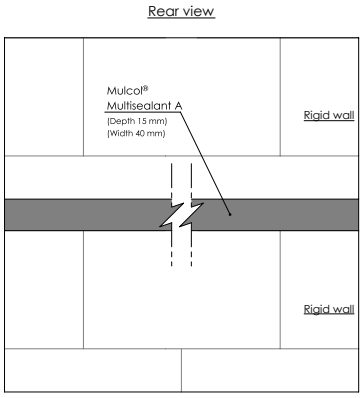


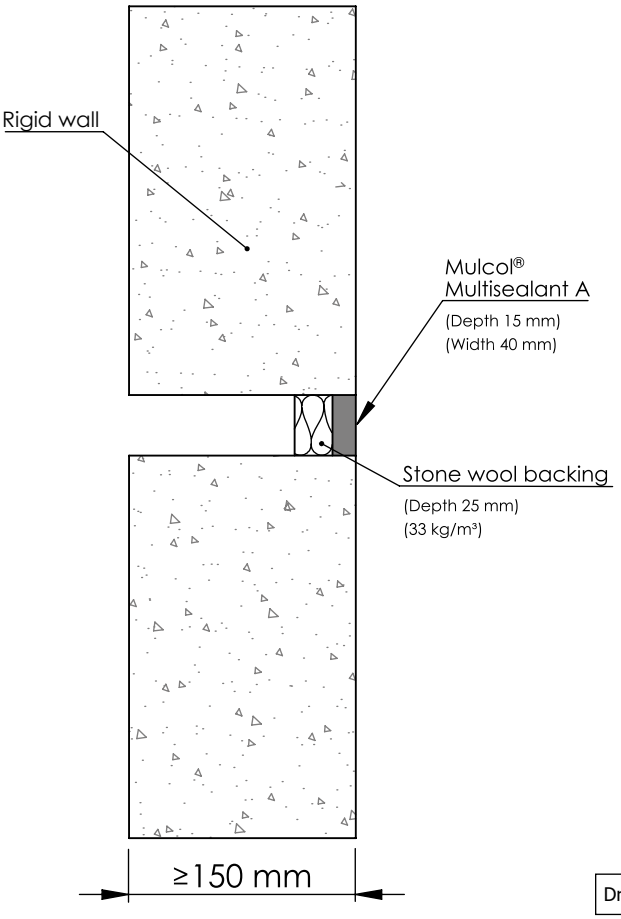
Drawing: RW-RW.E-MSA2.2.36

Construction	Width (mm)	Depth (mm)	Backing	Position	Classification
Rigid wall to rigid wall	≤ 40	≥ 15	≥ 25 mm stone wool (≥ 33 kg/m^3)	Both sides	**EI 240 - T - X - F - W00 to W40**

A.1.5 Rigid wall to rigid wall - Horizontal

A.1.5.2 Rigid wall ≥ 150 mm - w40 x d15 mm, non-fire side



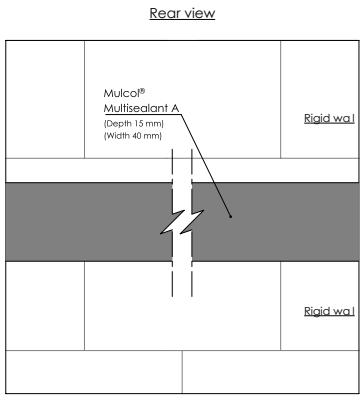


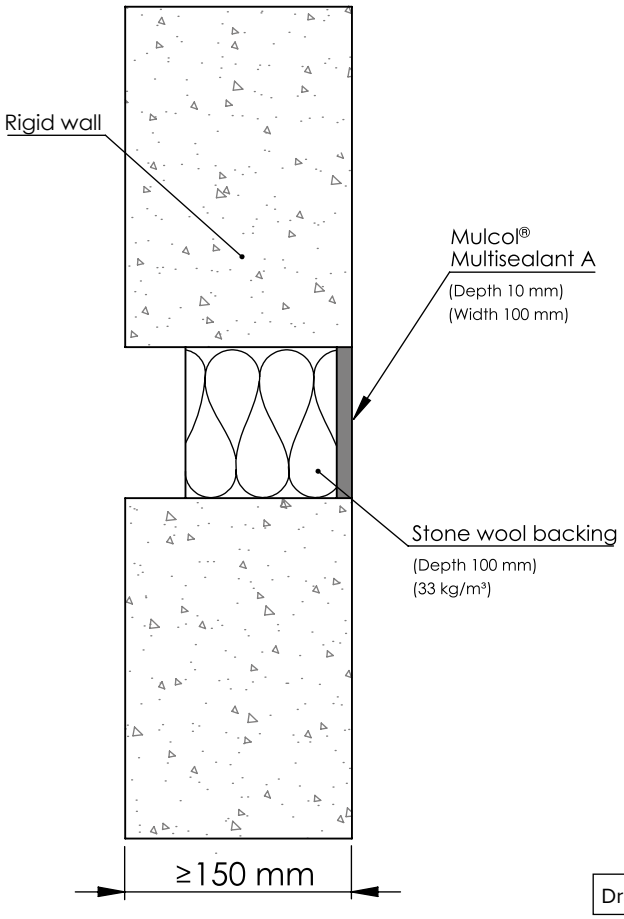
Drawing: RW-RW.E-MSA1.2.36

Construction	Width (mm)	Depth (mm)	Backing	Position	Classification
Rigid wall to rigid wall	≤ 40	≥ 15	≥ 25 mm stone wool (≥ 33 kg/m^3)	Unexposed side	**EI 240 - T - X - F - W00 to W40**

A.1.5 Rigid wall to rigid wall - Horizontal

A.1.5.3 Rigid wall ≥ 150 mm - w100 x d10 mm, non-fire side



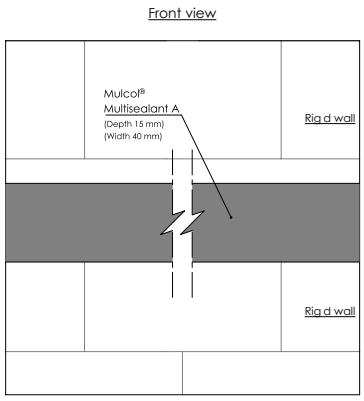


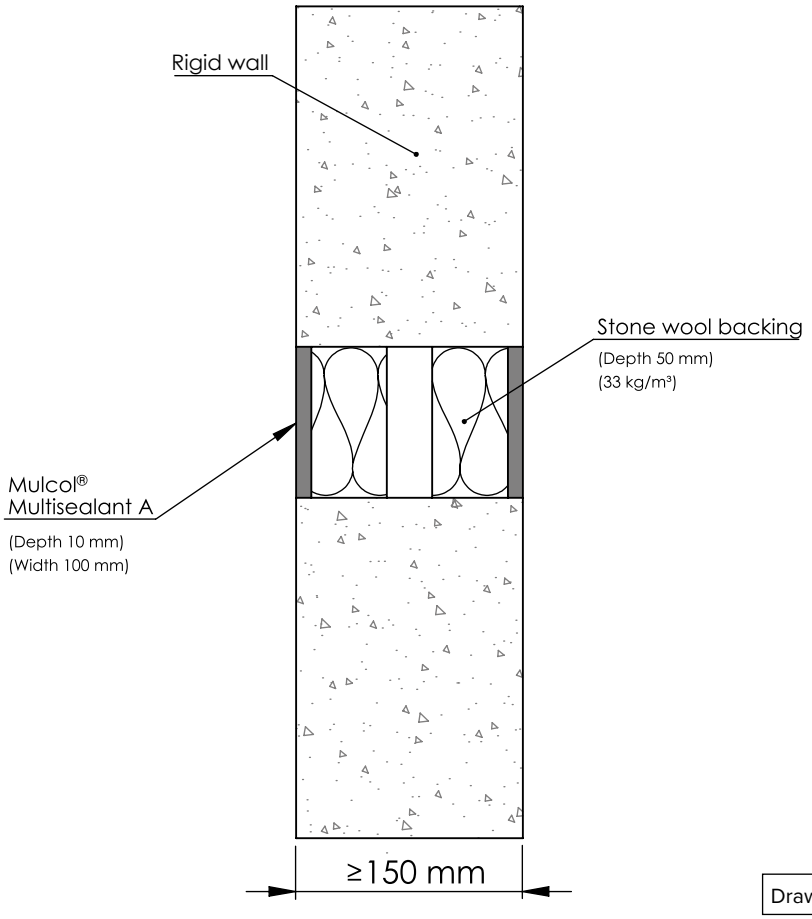
Drawing: RW-RW.E-MSA1.2.18

Construction	Width (mm)	Depth (mm)	Backing	Position	Classification
Rigid wall to rigid wall	≤ 100	≥ 10	≥ 100 mm stone wool (≥ 33 kg/m³)	Unexposed side	**EI 240 - T - X - F - W00 to W100**

A.1.5 Rigid wall to rigid wall - Horizontal

A.1.5.4 Rigid wall ≥ 150 mm - w100 x d10 mm, both sides



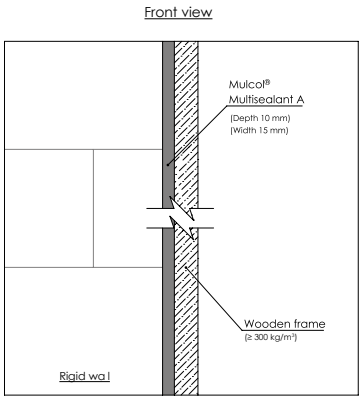


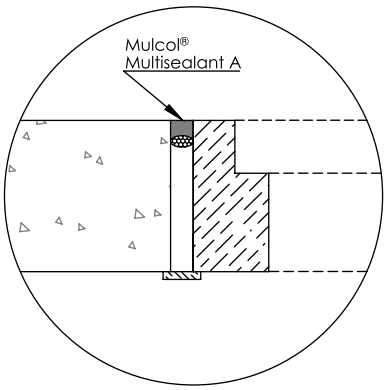
Drawing: RW-RW.E-MSA2.4.18

Construction	Width (mm)	Depth (mm)	Backing	Position	Classification
Rigid wall to rigid wall	≤ 100	≥ 10	≥ 50 mm stone wool (≥ 33 kg/m^3)	Both sides	**EI 240 - T - X - F - W00 to W100**

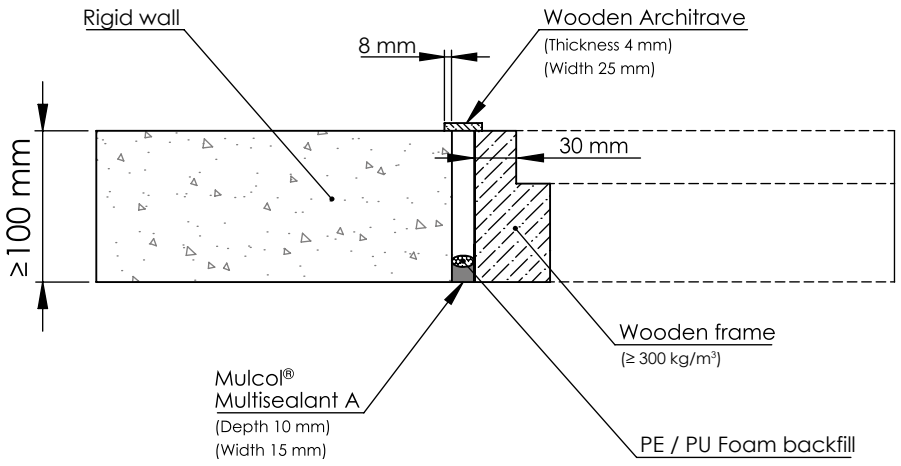
A.1.6 Rigid wall - Wooden frame

A.1.6.1 Rigid wall ≥ 100 mm - Wooden frame - w15 x d10 mm, either side





Top view

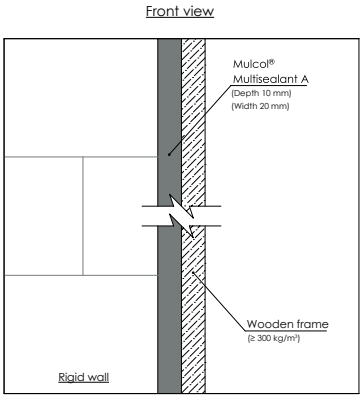


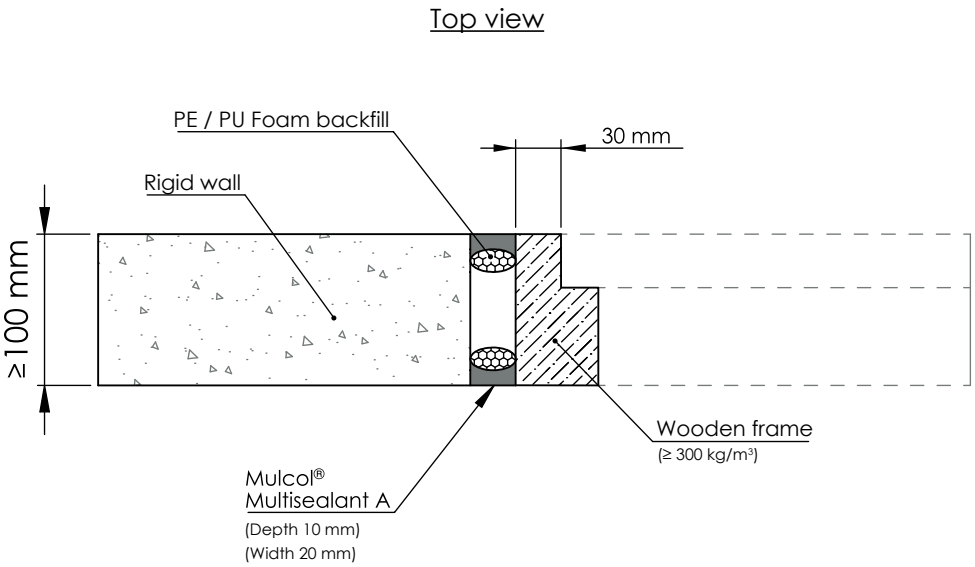
Drawing: RW-W.E-MSA1.2.12

Construction	Width (mm)	Depth (mm)	Backing	Position	Classification
Rigid wall - Wooden frame	≤ 15	≥ 10	PE / PU Foam	Either side	**EI 90 - V - X - F - W00 to W15**

A.1.6 Rigid wall - Wooden frame

A.1.6.2 Rigid wall ≥ 100 mm - Wooden frame - w20 x d10 mm, both sides



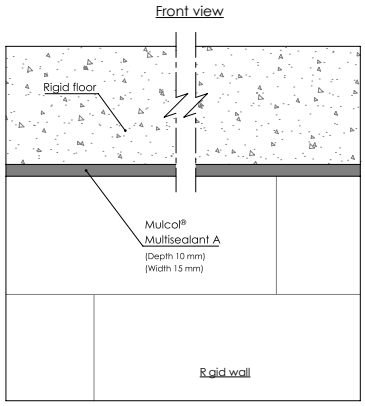


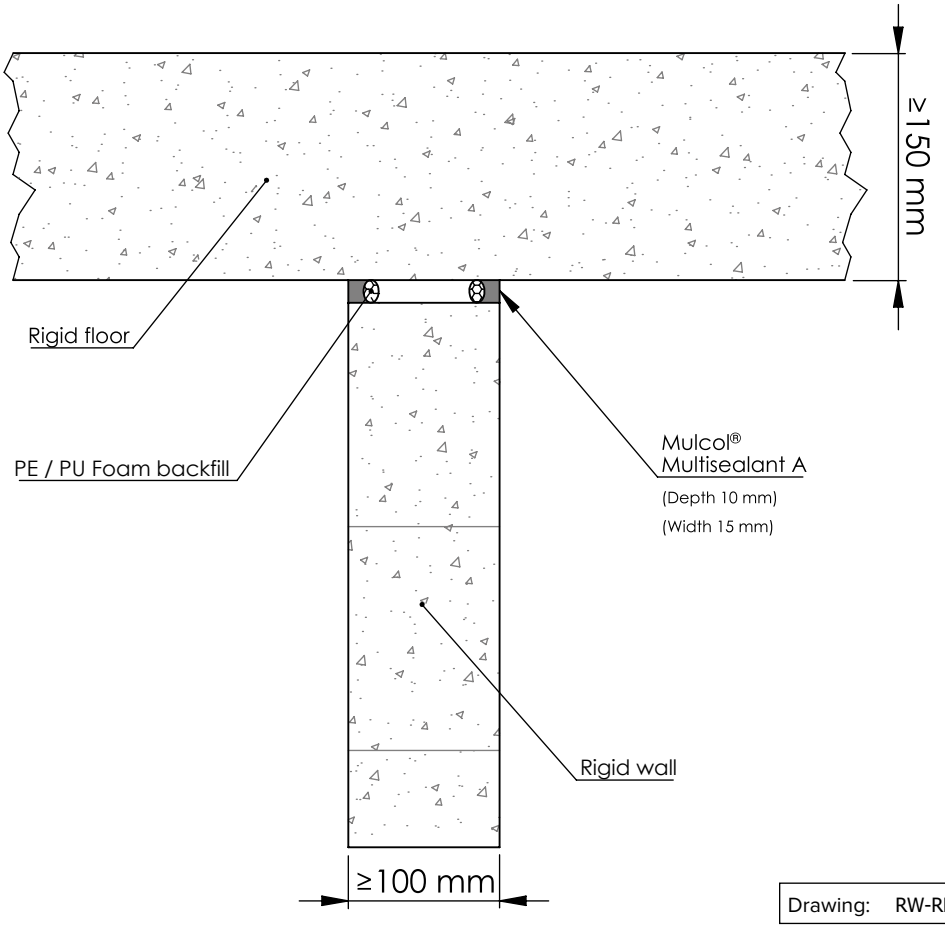
Drawing: RW-W.E-MSA2.2.2.15

Construction	Width (mm)	Depth (mm)	Backing	Position	Classification
Rigid wall - Wooden frame	≤ 30	≥ 10	PE / PU Foam	Both sides	**EI 90 - V - X - F - W00 to W30**

A.1.7 Rigid wall to rigid floor

A.1.7.1 Rigid wall ≥ 100 mm - Rigid floor ≥ 150 mm - w15 x d10 mm, both sides



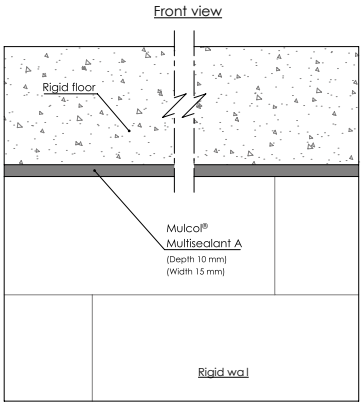


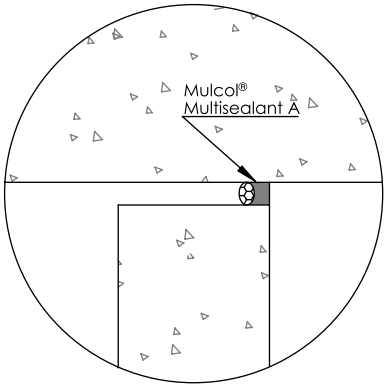
Drawing: RW-RF.E-MSA2.1.2.12

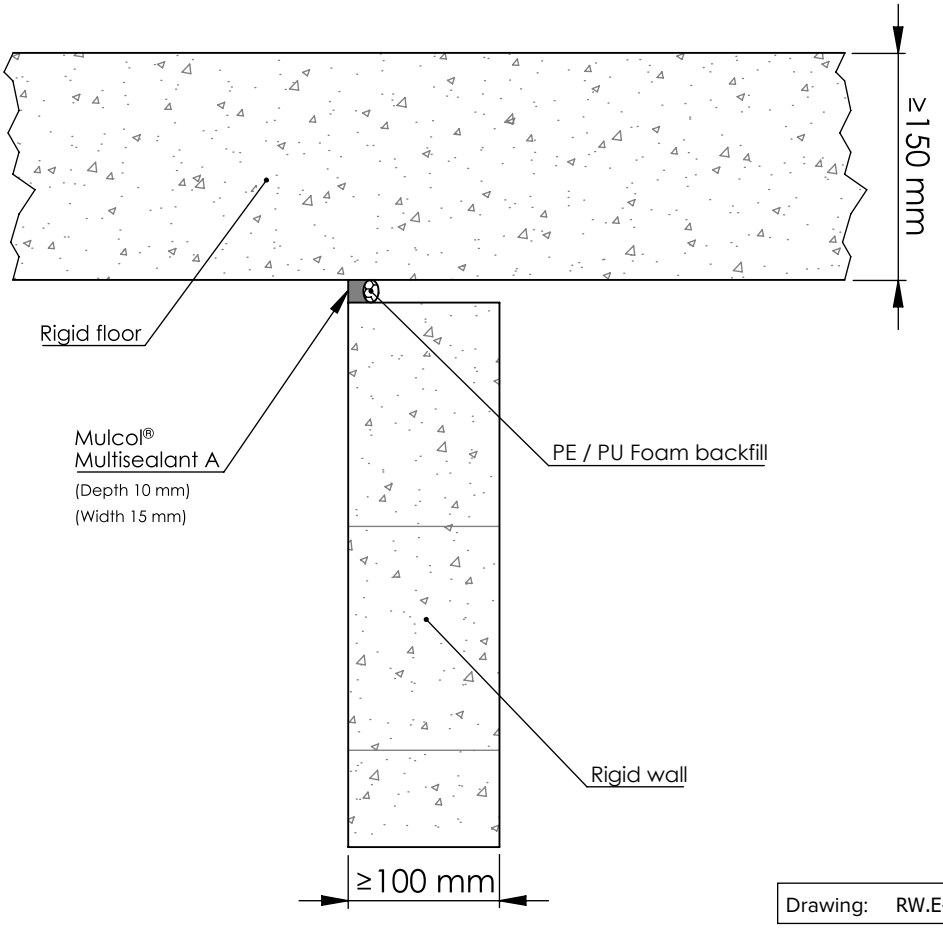
Construction	Width (mm)	Depth (mm)	Backing	Position	Classification
Rigid wall to rigid floor	≤ 15	≥ 10	PE / PU Foam	Both sides	**EI 180 - T - X - F - W00 to W15**

A.1.7 Rigid wall to rigid floor

A.1.7.2 Rigid wall ≥ 100 mm - Rigid floor ≥ 150 mm - w15 x d10 mm, either side





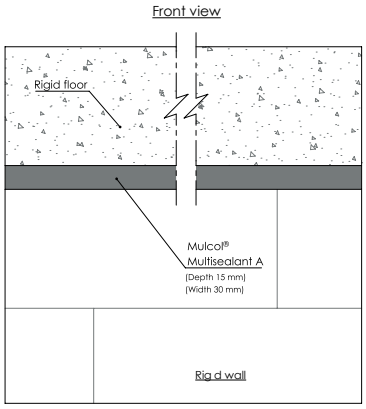


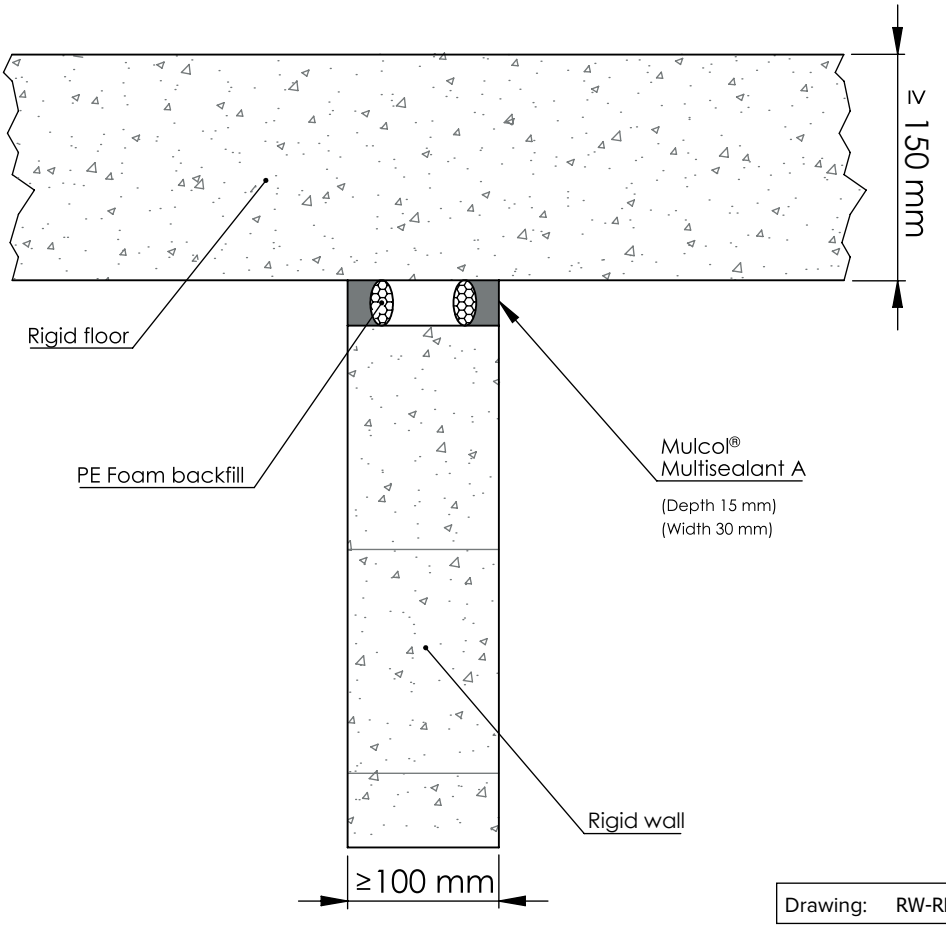
Drawing: RW.E-RF-MSA1.1.2.12

Construction	Width (mm)	Depth (mm)	Backing	Position	Classification
Rigid wall to rigid floor	≤ 15	≥ 10	PE / PU Foam	Either side	**EI 30, E 180 - T - X - F - W00 to W15**

A.1.7 Rigid wall to rigid floor

A.1.7.3 Rigid wall ≥ 100 mm - Rigid floor ≥ 150 mm - w30 x d15 mm, both sides



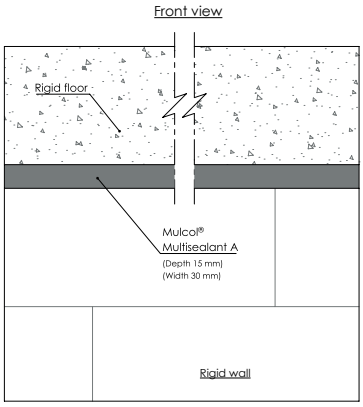


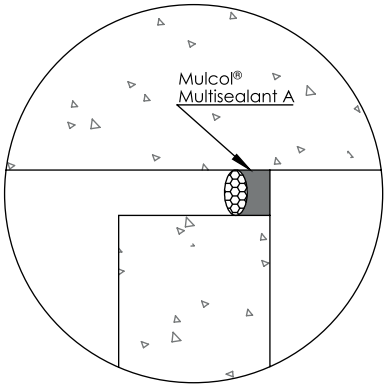
Drawing: RW-RF.E-MSA2.1.1.35

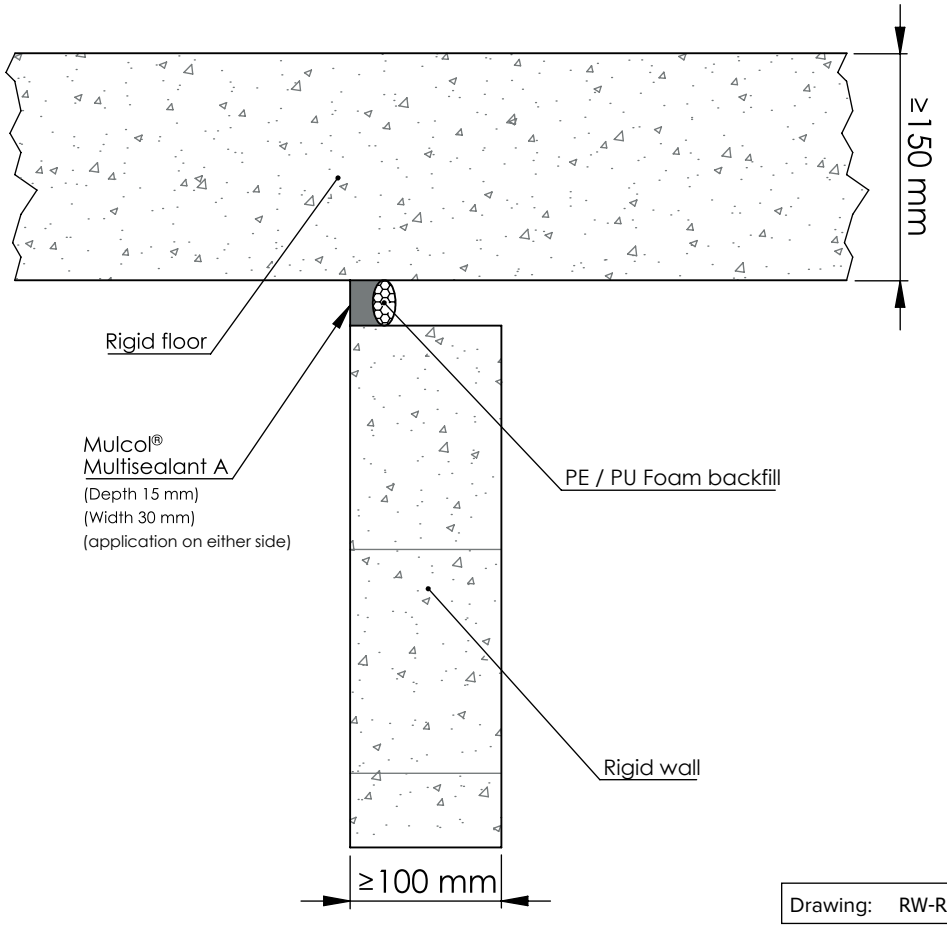
Construction	Width (mm)	Depth (mm)	Backing	Position	Classification
Rigid wall to rigid floor	≤ 30	≥ 15	PE / PU Foam	Both sides	**EI 180 - T - X - F - W00 to W30**

A.1.7 Rigid wall to rigid floor

A.1.7.4 Rigid wall ≥ 100 mm - Rigid floor ≥ 150 mm - w30 x d15 mm, either side





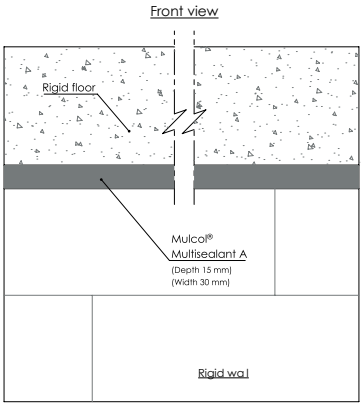


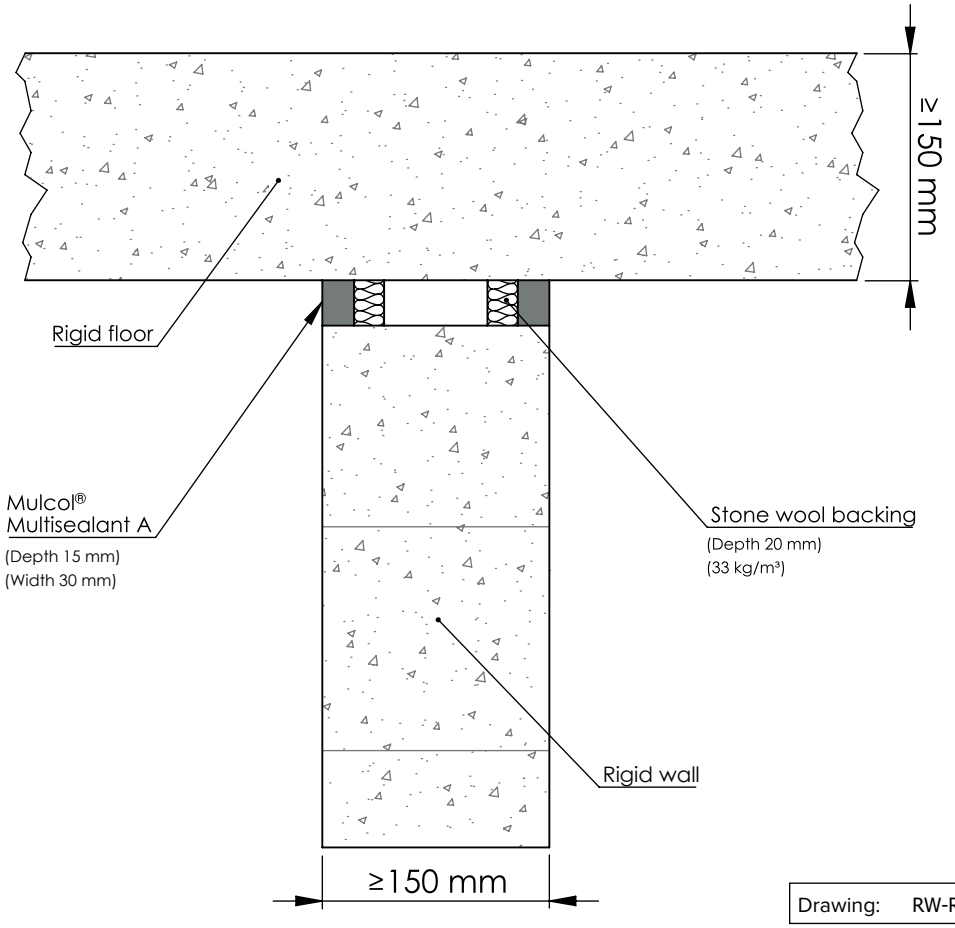
Drawing: RW-RF.E-MSA1.2.2.35

Construction	Width (mm)	Depth (mm)	Backing	Position	Classification
Rigid wall to rigid floor	≤ 30	≥ 15	PE / PU Foam	Either side	**EI 60, E 180 - T - X - F - W00 to W30**

A.1.7 Rigid wall to rigid floor

A.1.7.5 Rigid wall ≥ 150 mm - Rigid floor ≥ 150 mm - w30 x d15 mm, both sides



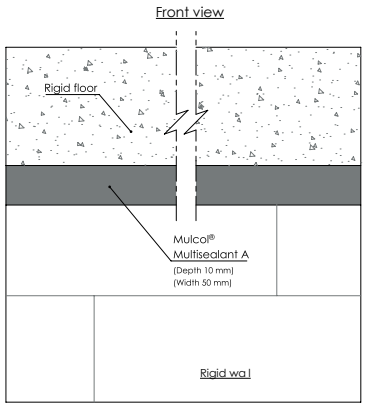


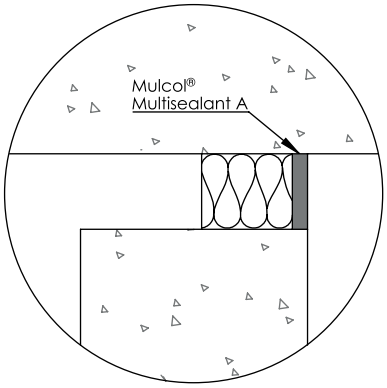
Drawing: RW-RF.E-MSA2.1.35

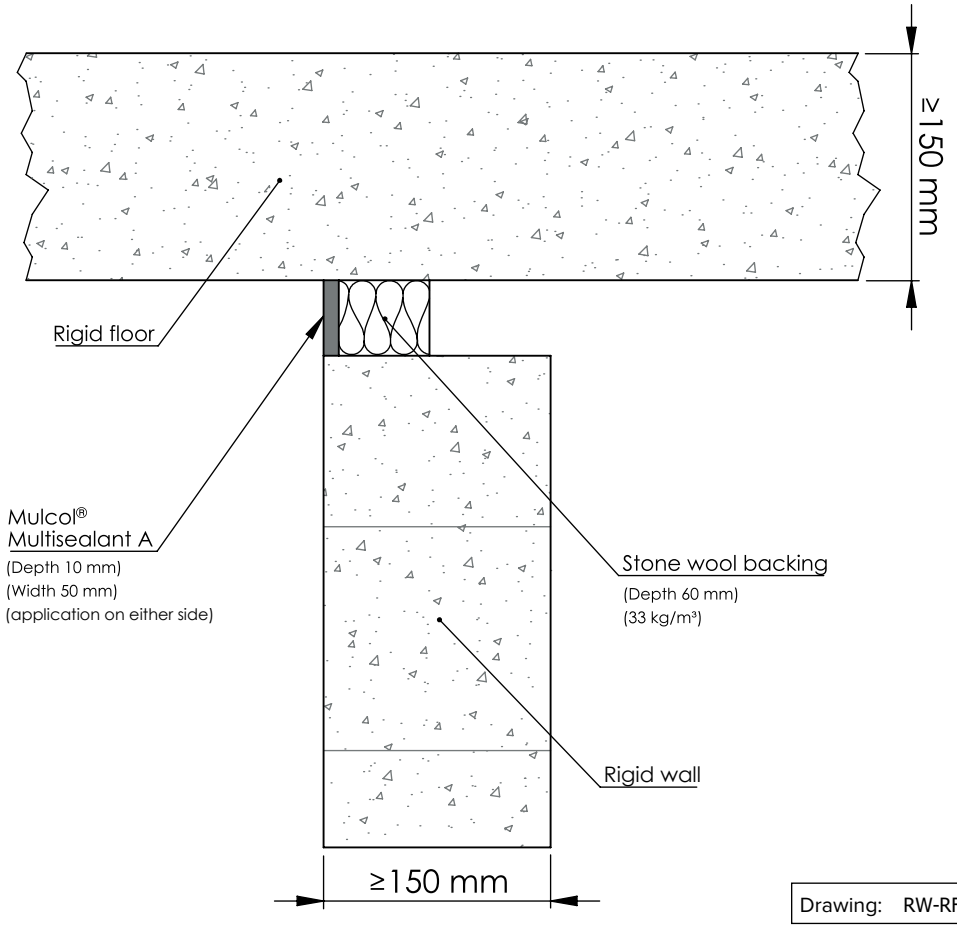
Construction	Width (mm)	Depth (mm)	Backing	Position	Classification
Rigid wall to rigid floor	≤ 30	≥ 15	≥ 20 mm stone wool (≥ 33 kg/m^3)	Both sides	**EI 240 - T - X - F - W00 to W30**

A.1.7 Rigid wall to rigid floor

A.1.7.6 Rigid wall ≥ 150 mm - Rigid floor ≥ 150 mm - w50 x d10 mm, either side





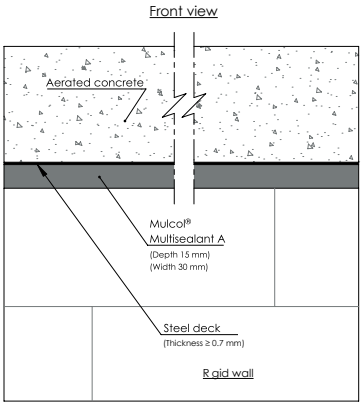


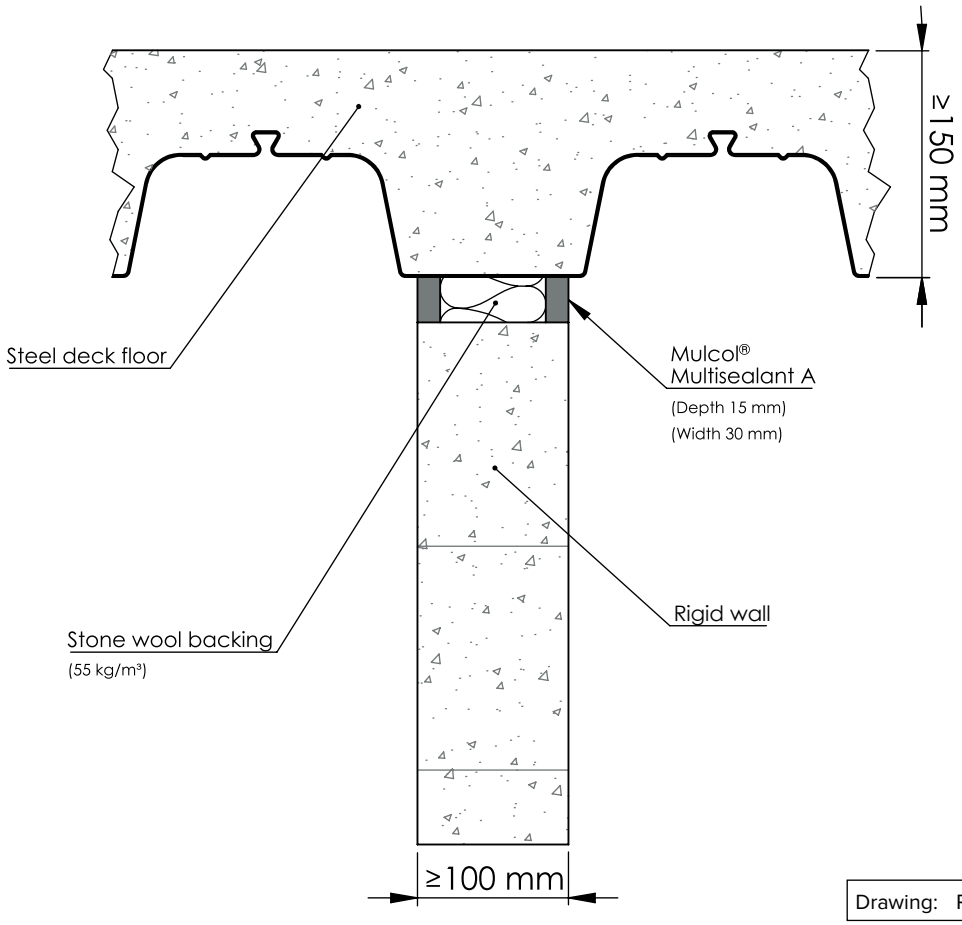
Drawing: RW-RF.E-MSA1.1.2.18

Construction	Width (mm)	Depth (mm)	Backing	Position	Classification
Rigid wall to rigid floor	≤ 50	≥ 10	≥ 60 mm stone wool (≥ 33 kg/m^3)	Either side	**EI 180 - T - X - F - W00 to W50**

A.1.8 Rigid wall to steel deck floor

A.1.8.1 Rigid wall ≥ 100 mm - Steel deck floor ≥ 150 mm - w30 x d15 mm, both sides



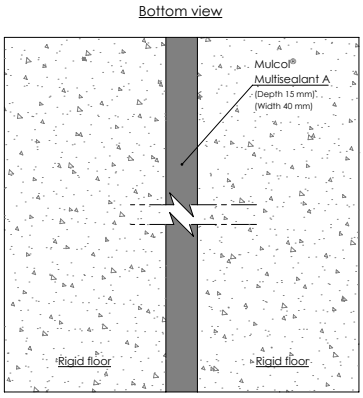


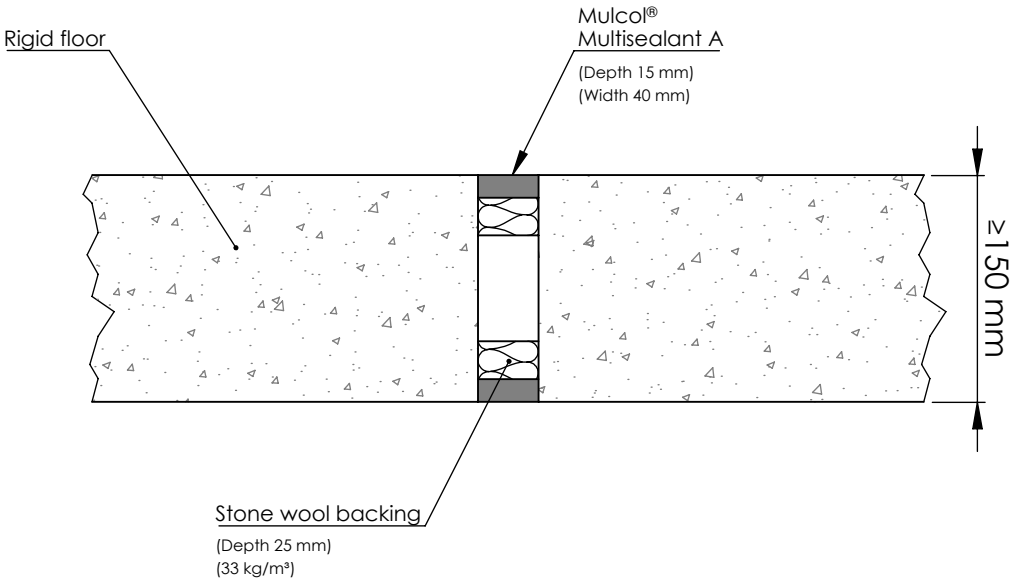
Drawing: RW-RF.E-MSA2.1.2.35S

Construction	Width (mm)	Depth (mm)	Backing	Position	Classification
Rigid wall to steel deck floor	≤ 30	≥ 15	≥ 70 mm stone wool (≥ 55 kg/m³)	Both sides	**EI 120, E 180 - T - X - F - W00 to W30**

A.1.9 Rigid floor to rigid floor

A.1.9.1 Rigid floor ≥ 150 mm - w40 x d15 mm, both sides



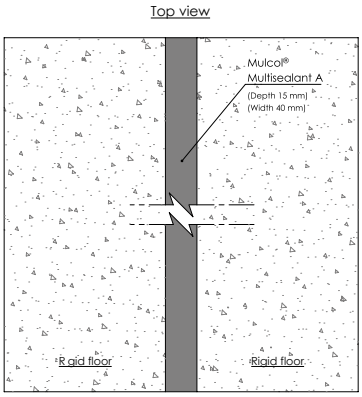


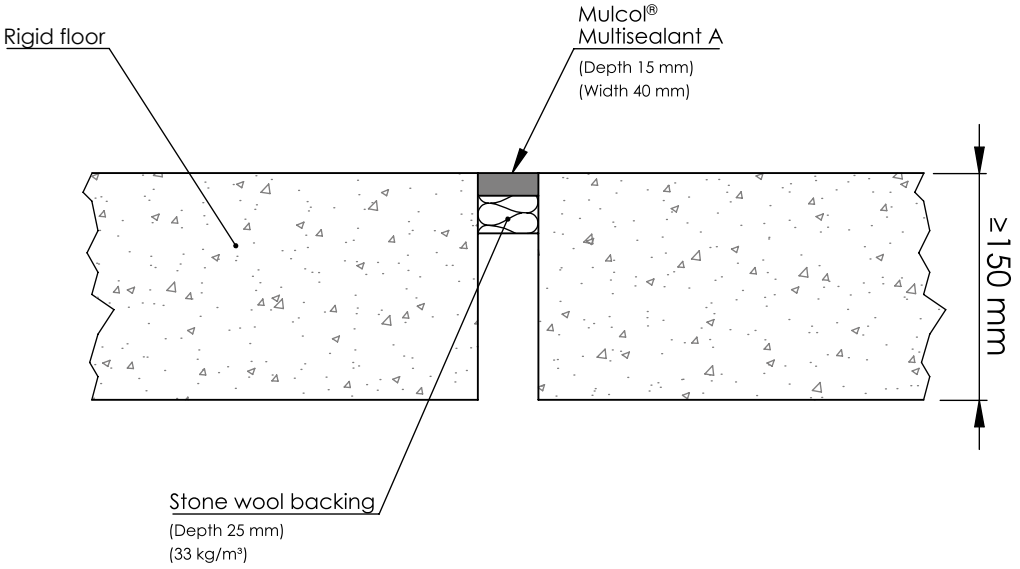
Drawing: RF-RF.E-MSA2.4.2.36

Construction	Width (mm)	Depth (mm)	Backing	Position	Classification
Rigid floor	≤ 40	≥ 15	≥ 25 mm stone wool (≥ 33 kg/m^3)	Both sides	**EI 240 - H - X - F - W00 to W40**

A.1.9 Rigid floor to rigid floor

A.1.9.2 Rigid floor ≥ 150 mm - w40 x d15 mm, top of floor



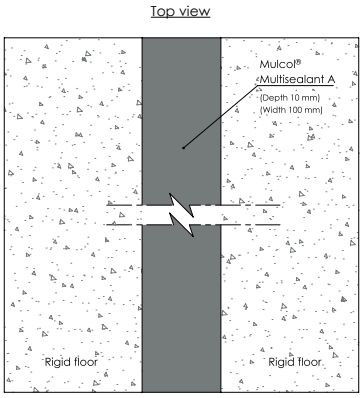


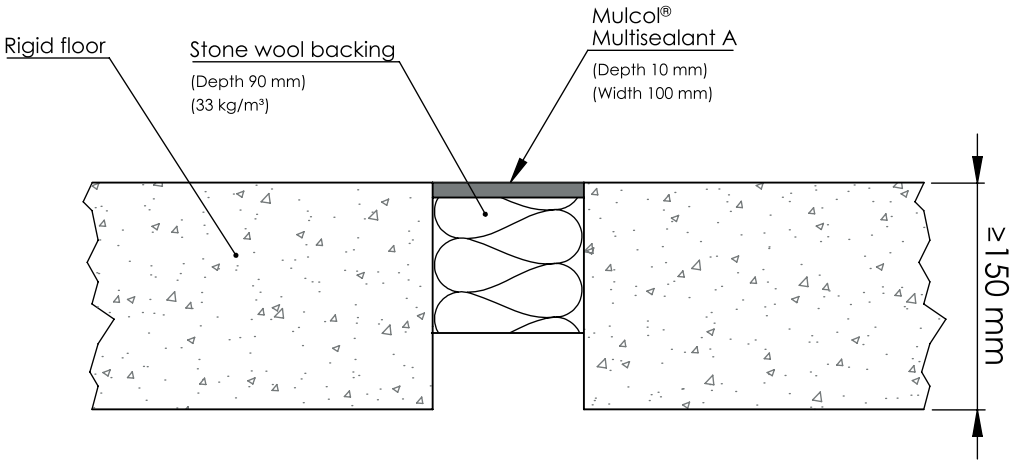
Drawing: RF-RF.E-MSA1.4.1.36

Construction	Width (mm)	Depth (mm)	Backing	Position	Classification
Rigid floor	≤ 40	≥ 15	≥ 25 mm stone wool (≥ 33 kg/m³)	Top of floor	**EI 240 - H - X - F - W00 to W40**

A.1.9 Rigid floor to rigid floor

A.1.9.3 Rigid floor ≥ 150 mm - w100 x d10 mm, top of floor



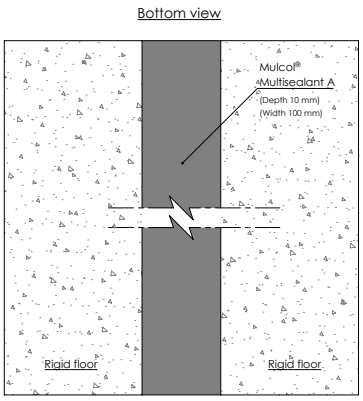


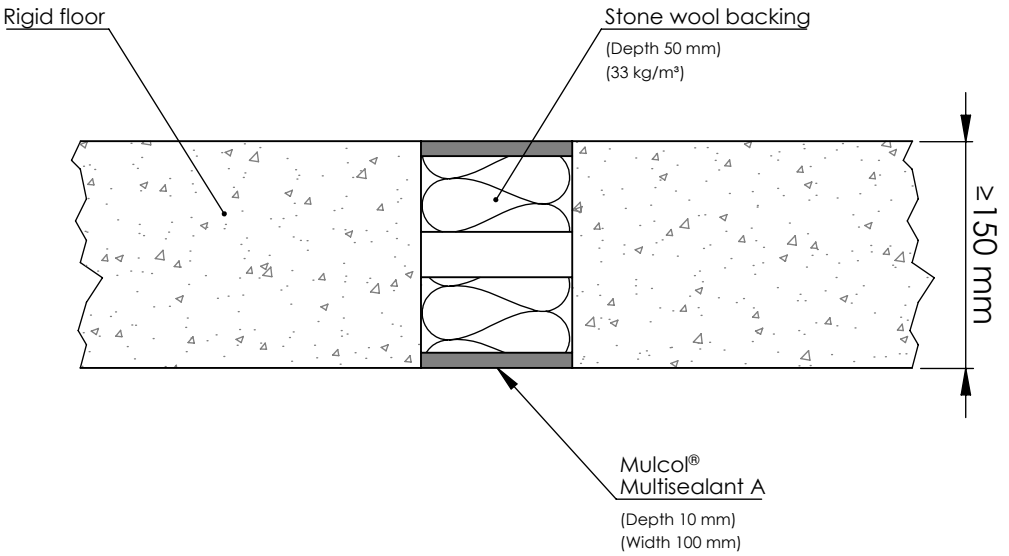
Drawing: RF-RF.E-MSA1.4.18

Construction	Width (mm)	Depth (mm)	Backing	Position	Classification
Rigid floor	≤ 100	≥ 10	≥ 90 mm stone wool (≥ 33 kg/m³)	Top of floor	**EI 240 - H - X - F - W00 to W100**

A.1.9 Rigid floor to rigid floor

A.1.9.4 Rigid floor ≥ 150 mm - w100 x d10 mm, both sides





Drawing: RF-RF.E-MSA2.4.2.57

Construction	Width (mm)	Depth (mm)	Backing	Position	Classification
Rigid floor	≤ 100	≥ 10	≥ 50 mm stone wool (≥ 33 kg/m³)	Both sides	**EI 240 - H - X - F - W00 to W100**