



ORYX® Acrylic FR

Version 1.1, 01-05-2017 (English)

ORYX®, passion for passive fire protection

ORYX® is the specialist in passive fire protection for buildings. Thanks to our passionate expertise and extensive product range, ORYX® provides solutions for countless applications in the field of fire-resistant load-bearing structures, fire-resistant compartments and the creation of fire-resistant penetrations. All products and applications have a CE-label and were tested in line with European standards and can therefore be used right across Europe.

Our specialists are always ready to provide you with technical advice and support.

PRODUCT DESCRIPTION

ORYX® Acrylic FR is a fire-resistant, water-borne sealant based on acrylic for indoor applications. ORYX® Acrylic FR can be used for fire-resistant and acoustic sealing of non-moving joints and for fire-resistant sealing of openings between metal tubes or electrical cables in walls or floors fitted with utilities penetrations. ORYX® Acrylic FR is a durable, flexible seal with high fire-resistance up to 4 hours and tested for countless applications in accordance with European standards.

CHARACTERISTICS

- CE label for fire-resistant applications
- Tested constructions to fire-resistance performance EI 240 (EN 13501-2)
- Tested in countless constructions of linear joints and utilities penetrations in line with the European standards EN 1366-4 & EN 1366-3.
- Effective adhesion to a wide variety of construction materials (brick, concrete, drywall, plasterboard, wood, metals, cables, copper, metal and insulated pipes, ...)
- Resists expansion up to about 12.5%
- Can be applied horizontally and vertically
- Non-toxic
- Generates very little smoke in the event of fire
- Halogen-free
- Fungicidal

APPLICATIONS

- Sealing fire-resistant joints between and in floors and walls
- Sealing of joints around fire-resistant compartments
- Sealing around door frames
- Sealing around steel pipes and cable penetrations



FITTING GUIDELINES

- Apply with sealant gun
- Surface must be dry, clean and dust-free
- Can be used and stored between +5°C and +40°C
- Fill up joints adequately
- Joint width max. 30 mm
- Apply backfill where necessary using mineral wool or polyethylene to ensure a joint depth/width ratio of 1:2
- Depending on application, must be applied to either one or both sides of the partition
- Can be painted after one hour

PACKAGING AND STORAGE

- In 310 ml tubes
- Keep dry and frost-free at temperatures between +5°C and +40°C

LIMITATIONS

Do not use when in permanent contact with water or food, or in constant friction areas. It is the user's responsibility to understand the usage guidelines.

SAFETY REQUIREMENTS

Avoid contact with skin and eyes. In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. Keep out of the reach of children. Do not swallow. Product contains fungicide. For further information, please refer to the Medical & Safety Data Sheet

DISCLAIMER

The content of this brochure has been compiled with the greatest possible care and is only intended for information purposes. The information contained herein does not constitute a partial or full guarantee or proposal for which we are liable. We reserve the right to change or alter product specifications.

All information about our products and applications can be found at www.oryx.pro



FITTING INSTRUCTIONS

ANNEX A, FIRE-RESISTANCE FOR PENETRATIONS

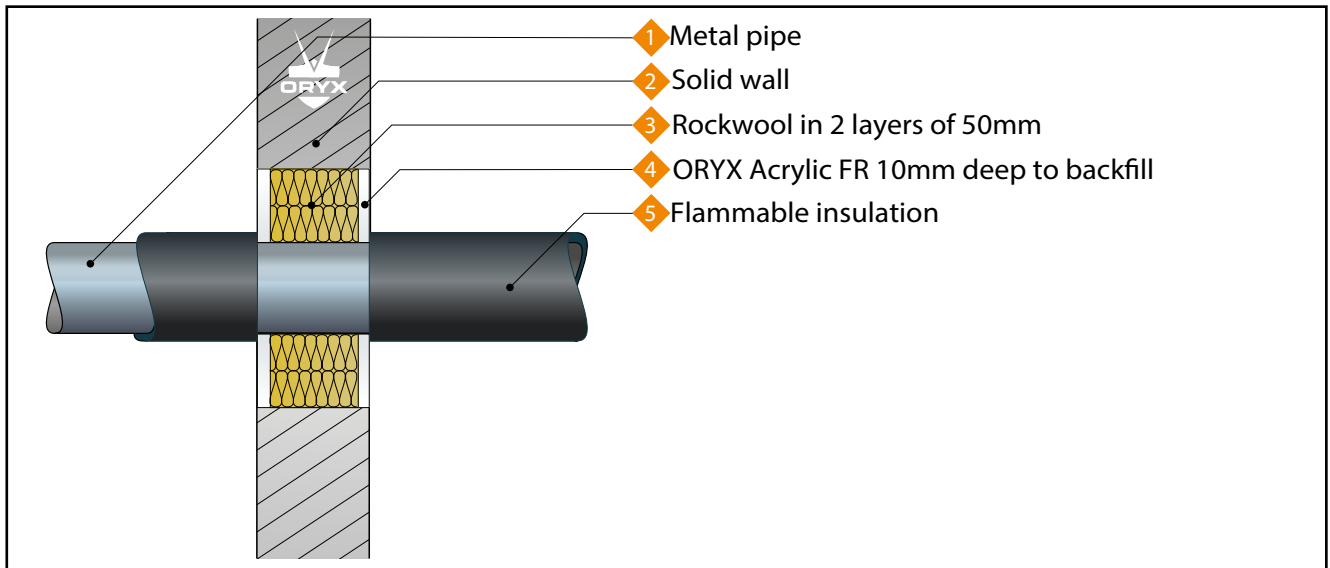
Characteristics of the product and references to the assessment methods

Product type: Sealant		Use: Penetrations	
Basic requirements for construction applications	Basic requirements	Characteristics	
BWR 1 Mechanical resistance and stability			
-	None	Not relevant	
BWR 2 Safety in case of fire			
EN 13501-1	Reaction to fire	Fire class F	
EN 13501-2	Fire-resistance	Annex A (penetrations) Annex B (joints)	
BWR 3 Hygiene, health and environment			
EN 1026:2000	Air permeability (material characteristic)	No characteristic specified	
ETAG 026-2, Annex C	Water permeability (material characteristic)	No characteristic specified	
Manufacturer's declaration	Release of hazardous substances	Manufacturer's declaration	
BWR 4 Safety use			
EOTA TR 001:2003	Mechanical resistance and stability	No characteristic specified	
EOTA TR 001:2003	Resistance against denting/movement	No characteristic specified	
EOTA TR 001:2003	Gluing	No characteristic specified	
BWR 5 Noise protection			
EN 10140-2/EN ISO 717-1	Airborne noise insulation	No characteristic specified	
BWR 6 Energy efficiency and thermal insulation			
EN 12664, EN12667 or EN 12939	Thermal characteristics	No characteristic specified	
EN ISO 12572 EN 12086	Water-vapour permeability	No characteristic specified	
General aspects relating to use			
ISO 8339:2005, ISO 9046:2004 and ISO 7389:2003	Durability and maintenance	Z ₂	
BWR 7 Sustainable use of natural resources			
-	-	No characteristic specified	

Product(s)	Intended use	Level(s) or class(es)	System
Fire-resistant sealing material	For fire compartmentalisation and/or fire safety or fire protection	All	1

A.1 Solid wall constructions with thickness of at least 150 mm

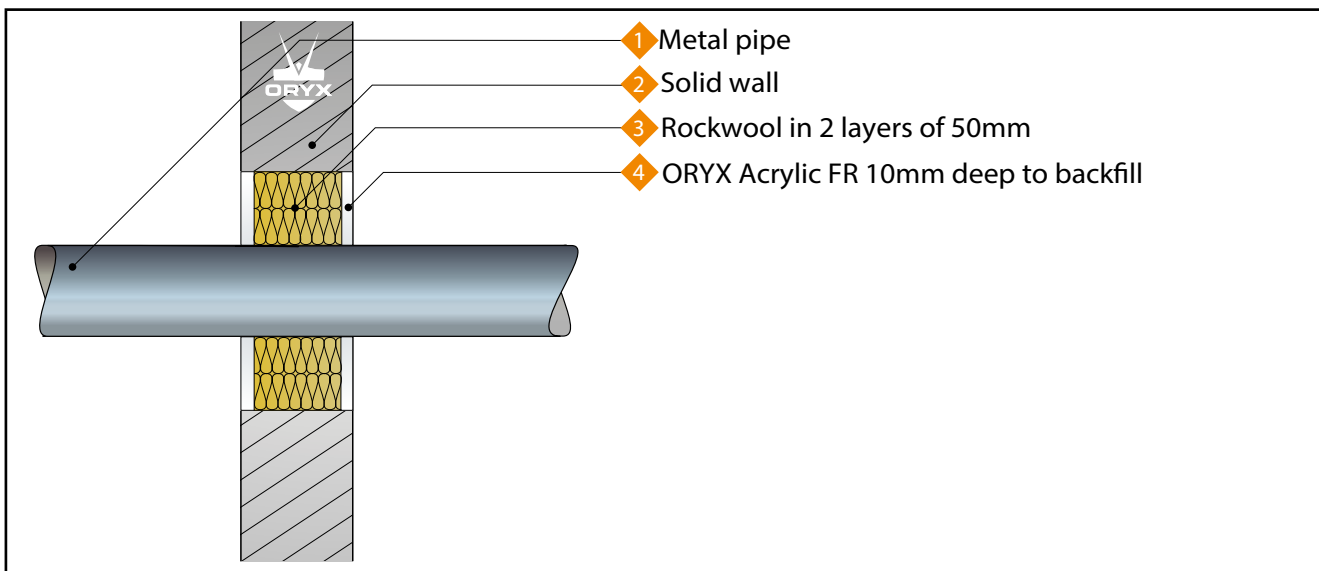
A.1.1 Penetration with steel pipe, insulated with flammable insulation



A.1.1.1 Pipes with 'local interrupted' (LS) (min. 500 mm) or 'continuous interrupted' (CI) 19 mm thick Armacell Class O Armaflex insulation

ORYX® Acrylic FR penetration seal in solid walls of 150 mm thick (min.)				
Aperture (mm)	Composition of seal	Penetration(s)	Position of tubes	Classification
300 x 300	10 mm deep ORYX® Acrylic FR flat on both sides of the wall, backfill 130 mm deep rockwool (90 kg/m³)	Single mild steel pipe 89 mm diameter and 3 – 14.2 mm wall thickness	Central	EI 120 C/U
		Single copper or mild steel pipe 35 mm diameter and 1 – 14.2 mm wall thickness		EI 90 C/U

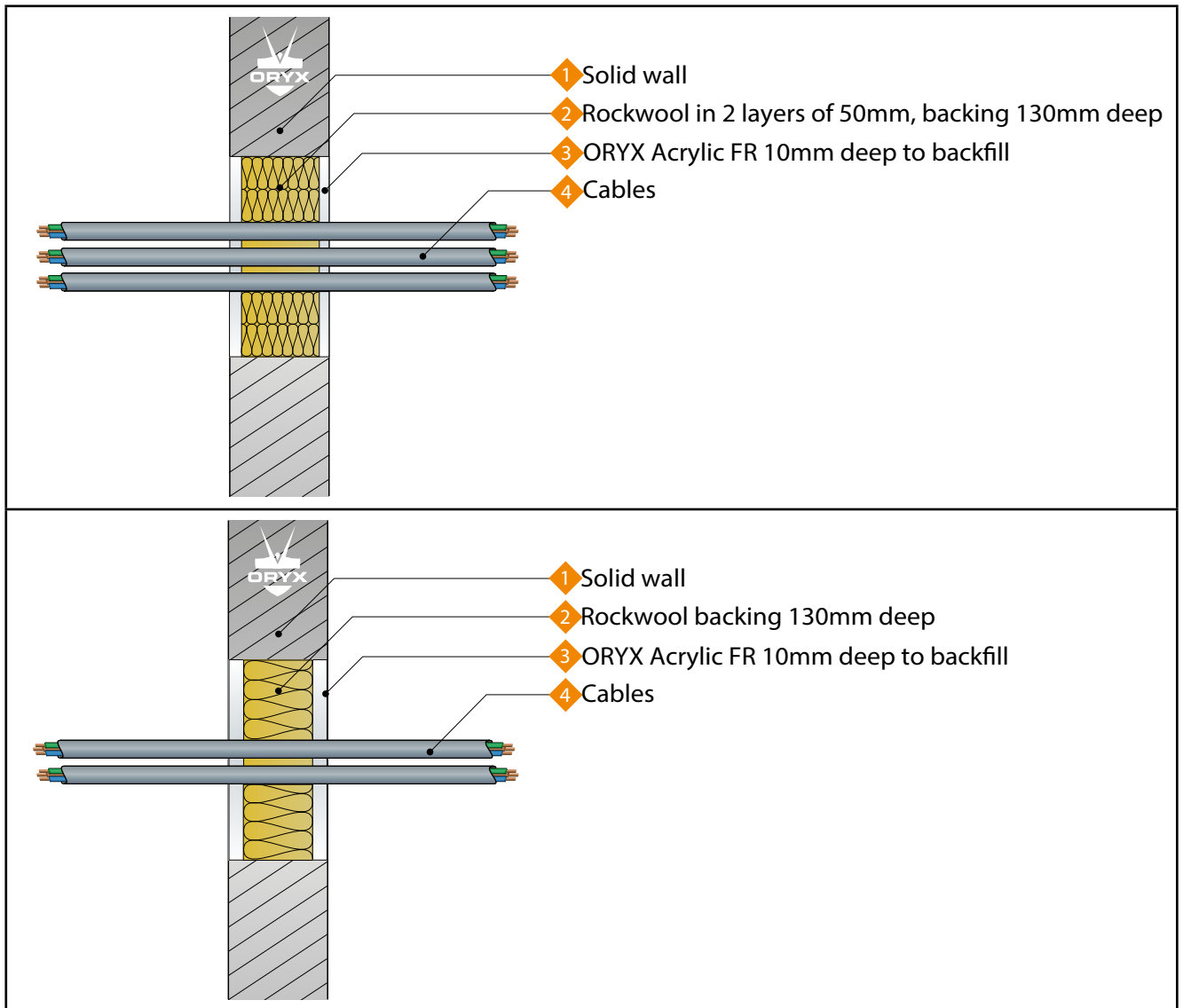
A.1.2 Penetrations with steel pipe without insulation



A.1.2.1 Pipes without insulation

ORYX® Acrylic FR penetration seal in solid walls of 150 mm thick (min.)				
Aperture (mm)	Composition of seal	Penetration(s)	Position of tubes	Classification
300 x 300	10 mm deep ORYX® Acrylic FR flat on both sides of the wall, backfill 130 mm deep rockwool (90 kg/m³)	Single mild steel pipe 89 mm diameter and 3 – 14.2 mm wall thickness	Central	E 120 C/U EI 30 C/U
		Single copper or mild steel pipe 35 mm diameter and 1 – 14.2 mm wall thickness		E 90 C/U

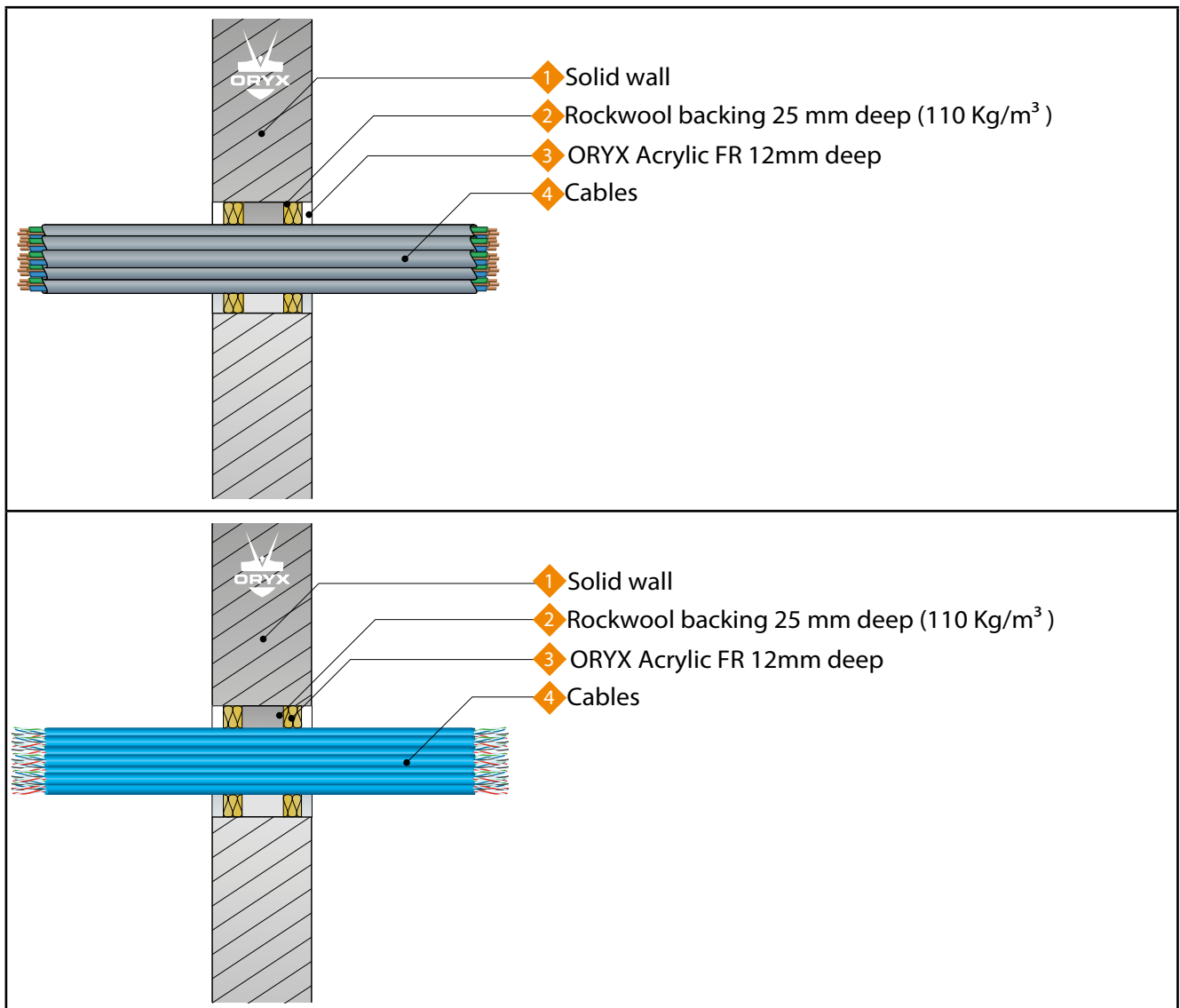
A.1.3 Penetration with cables



A.1.3.1 Cables

ORYX® Acrylic FR penetration seal in solid walls of 150 mm thick (min.)				
Aperture (mm)	Composition of seal	Penetration(s)	Position of tubes	Classification
300 x 300	10 mm deep ORYX® Acrylic FR flat on both sides of the wall, backfill 130 mm deep rockwool (90 kg/m ³)	Up to 21 x 16 mm diameter – 3 x 6 mm copper core, steel-reinforced cables – (BS7671-6943XLH) with min. 20 mm distance	Central	E 120 EI 60
		Single bundle of 9 x 30 mm diameter – 4 x 25 mm copper core, steel-reinforced cables – (BS7671-6944XLH)	Central	

A.1.4 Penetration with cables





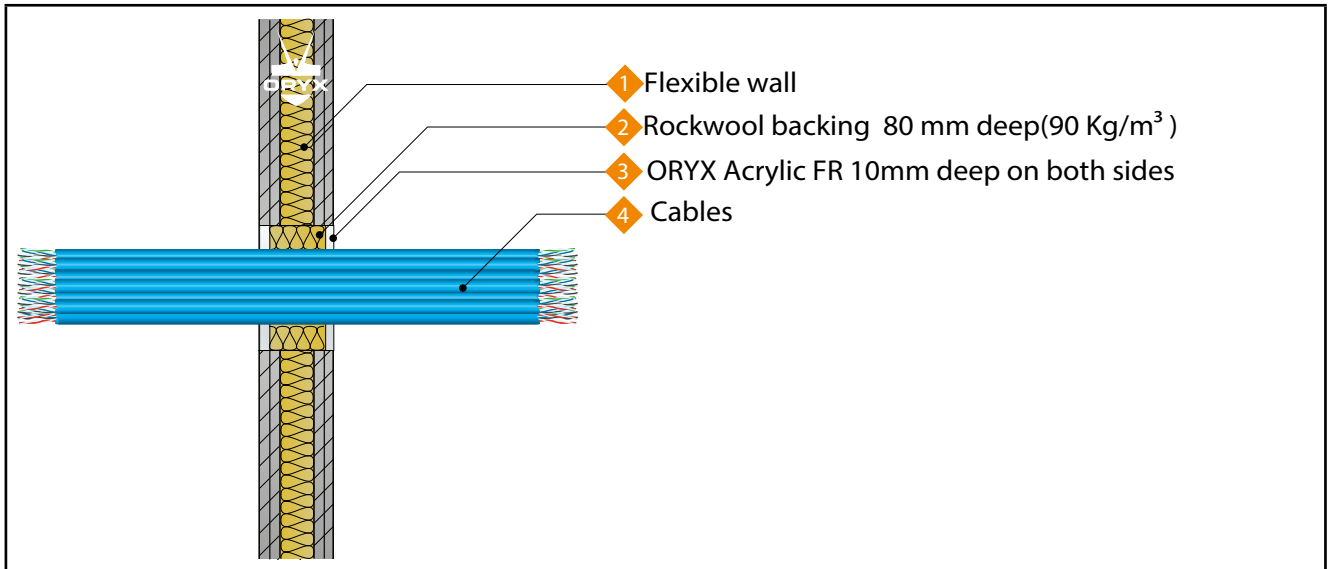
A.1.4.1 Cables

ORYX® Acrylic FR penetration seal in solid walls of 150 mm thick (min.)				
Aperture (mm)	Composition of seal	Penetration(s)	Position of tubes	Classification
110 diameter	12 mm deep ORYX® Acrylic FR flat on both sides of the wall, back-fill 25 mm deep rock-wool (110 kg/m³)	Telecom cables up to 21 mm diameter in a bundle of max. 40 x	Central	EI 60
120 diameter	12 mm deep ORYX® Acrylic FR flat on both sides of the wall, back-fill 25 mm deep rock-wool (110 kg/m³)	Electrical cables – Type A3, in a bundle of max. 20 x		E 240 EI 120
90 diameter	12 mm deep ORYX® Acrylic FR flat on both sides of the wall, back-fill 25 mm deep rock-wool (110 kg/m³)	Electrical cables – Type A3, in a bundle of max. 2 x		E 240 EI 60

Type A3 cable = 5 x 1.5 mm² core HD604.5 electrical cable with XLPE insulation, EVA sleeve and 13 mm diameter
 Type C3 cable = 4 x 95 mm² core HD603.3 electrical cable with PVC insulation, PVC sleeve and 42 mm diameter

A.2 Flexible or solid wall constructions with a wall thickness of at least 100 mm

A.2.1 Penetration with cables





A.2.1.1 Cables

ORYX® Acrylic FR penetration seal in flexible or solid walls of 100 mm thick (min.)				
Aperture (mm)	Composition of seal	Penetration(s)	Position of tubes	Classification
400 x 300	10 mm deep ORYX® Acrylic FR flat on both sides of the wall, back-fill 80 mm deep rock-wool (90 kg/m³)	Electrical cables up to 50 mm diameter	Central	E 120 EI 30
		Electrical cables – Type D1		E 120 EI 60
		Electrical cables – Type A3, in a bundle of max. 10 x		
		Electrical cables – Type A3, in a bundle of max. 10 x		
		Electrical cables – Type A2, in a bundle of max. 10 x		
		Electrical cable – Type B		
		Electrical cable – Type C1		
		Electrical cable – Type C2		
		Electrical cable – Type C3		
		Electrical cable – Type E		

Type A1 cable = 5 x 1.5 mm² core HD603.3 electrical cable with PVC insulation, PVC sleeve and 14 mm diameter
 Type A2 cable = 1 x 185 mm² core HD5 electrical cable with PVC insulation, PVC sleeve and 11.2-14.4 mm diameter
 Type A3 cable = 5 x 1.5 mm² core HD604.5 electrical cable with XLPE insulation, EVA sleeve and 13 mm diameter
 Type B cable = 1 x 95 mm² core HD603.3 electrical cable with PVC insulation, PVC sleeve and 18-21 mm diameter
 Type C1 cable = 4 x 95 mm² core HD604.5 electrical cable with XLPE insulation, EVA sleeve and 42 mm diameter
 Type C2 cable = 1 x 185 mm² core HD4 electrical cable with PVC insulation, PVC sleeve and 48.4-61 mm diameter
 Type C3 cable = 4 x 95 mm² core HD603.3 electrical cable with PVC insulation, PVC sleeve and 42 mm diameter
 Type D1 cable = 4 x 185 mm² core HD603.3 electrical cable with PVC insulation, PVC sleeve and 52 mm diameter
 Type E cable = 1 x 185 mm² core HD603.3 electrical cable with PVC insulation, PVC sleeve and 23-27 mm diameter



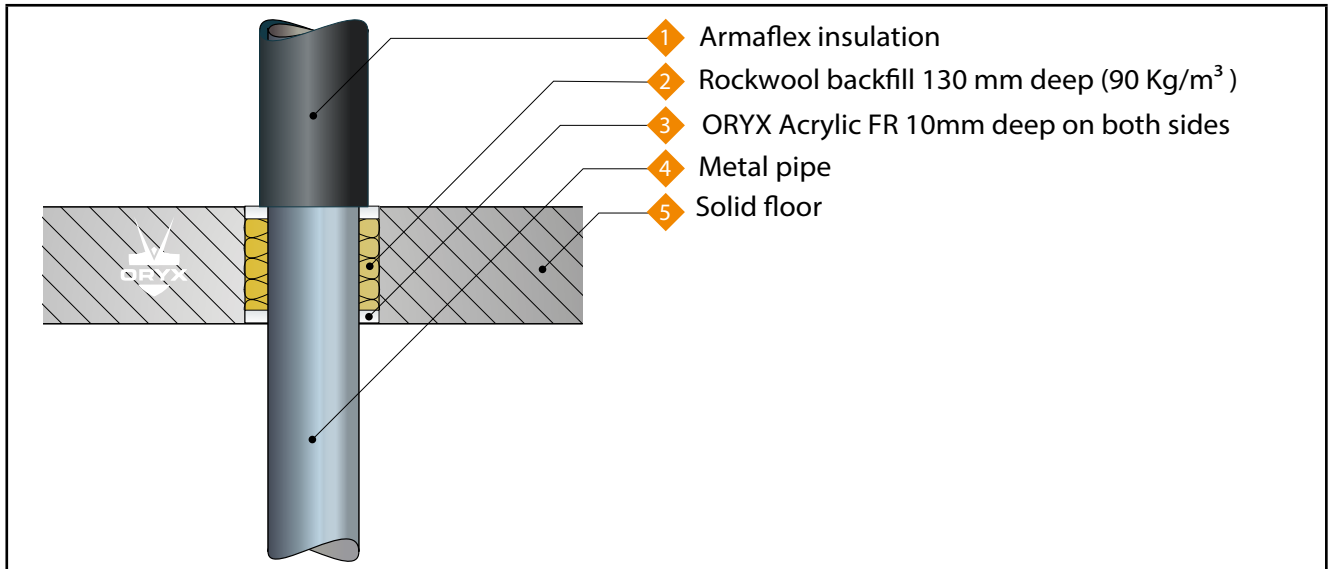
A.2.1.2 Cables wrapped in 300 mm long, 5 mm thick Insulwrap material

ORYX® Acrylic FR penetration seal in flexible or solid walls of 100 mm thick (min.)				
Aperture (mm)	Composition of seal	Penetration(s)	Position of tubes	Classification
400 x 300	10 mm deep ORYX® Acrylic FR flat on both sides of the wall, back-fill 80 mm deep rock-wool (90 kg/m³)	Electrical cables up to 21 mm diameter	Central	E 120 EI 60
		Electrical cables up to 50 mm diameter		E 120 EI 45
		Electrical cables – Type D1		E 120 EI 60
		Electrical cables – Type A3, in a bundle of max. 10 x		E 120 EI 90
		Electrical cables – Type A3, in a bundle of max. 10 x		
		Electrical cables – Type A2, in a bundle of max. 10 x		E 120 EI 60
		Electrical cable – Type B		
		Electrical cable – Type C1		
		Electrical cable – Type C2		
		Electrical cable – Type C3		E 120 EI 45
		Electrical cable – Type E		E 120 EI 60

Type A1 cable = 5 x 1.5 mm² core HD603.3 electrical cable with PVC insulation, PVC sleeve and 14 mm diameter
 Type A2 cable = 5 x 1.5 mm² core HD22.4 electrical cable with EPR insulation, PO sleeve and 11.2-14.4 mm diameter
 Type A3 cable = 5 x 1.5 mm² core HD604.5 electrical cable with XLPE insulation, EVA sleeve and 13 mm diameter
 Type B cable = 1 x 95 mm² core HD603.3 electrical cable with PVC insulation, PVC sleeve and 18-21 mm diameter
 Type C1 cable = 4 x 95 mm² core HD604.5 electrical cable with XLPE insulation, EVA sleeve and 42 mm diameter
 Type C2 cable = 4 x 95 mm² core HD22.4 electrical cable with EPR insulation, PO sleeve and 48.4-61 mm diameter
 Type C3 cable = 4 x 95 mm² core HD603.3 electrical cable with PVC insulation, PVC sleeve and 42 mm diameter
 Type D1 cable = 4 x 185 mm² core HD603.3 electrical cable with PVC insulation, PVC sleeve and 52 mm diameter
 Type E cable = 1 x 185 mm² core HD603.3 electrical cable with PVC insulation, PVC sleeve and 23-27 mm diameter

A.3 Solid floor constructions with a thickness of at least 150 mm

A.3.1 Penetration for steel pipes, insulated with flammable insulation



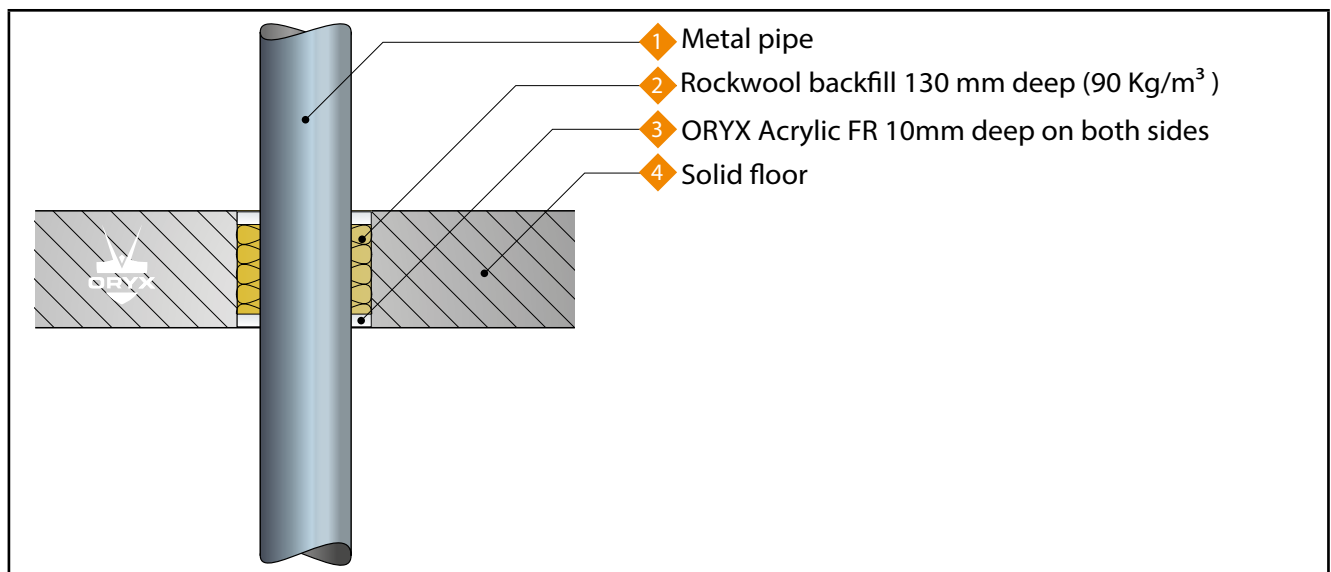
A.1.1.1 Pipes with 'local interrupted' (LS) (min. 500 mm) or 'continuous interrupted' (CI) 25 mm thick Armacell Class O Armaflex insulation

ORYX® Acrylic FR penetration seal in solid floors of 150 mm thick (min.)				
Aperture (mm)	Composition of seal	Penetration(s)	Position of tubes	Classification
150 diameter	10 mm deep ORYX® Acrylic FR flat on both sides of the wall, backfill 130 mm deep rockwool (90 kg/m ³)	Single mild steel pipe 89 mm diameter and 3 – 14.2 mm wall thickness	Central	E 240 C/U EI 120 C/U

A.3.1.2 Pipes with ‘local interrupted’ (LS) (min. 500 mm) or ‘continuous interrupted’ (CI) 19 mm thick Armacell Class O Armaflex insulation

ORYX® Acrylic FR penetration seal in solid floors of 150 mm thick (min.)				
Aperture (mm)	Composition of seal	Penetration(s)	Position of tubes	Classification
150 diameter	10 mm deep ORYX® Acrylic FR flat on both sides of the wall, backfill 130 mm deep rockwool (90 kg/m ³)	Single copper or mild steel pipe 35 mm diameter and 1.2 – 14.2 mm wall thickness with local (500 mm long) or continuous / interrupted 19 mm thick Armaflex insulation	Central	E 240 C/U EI 180 C/U

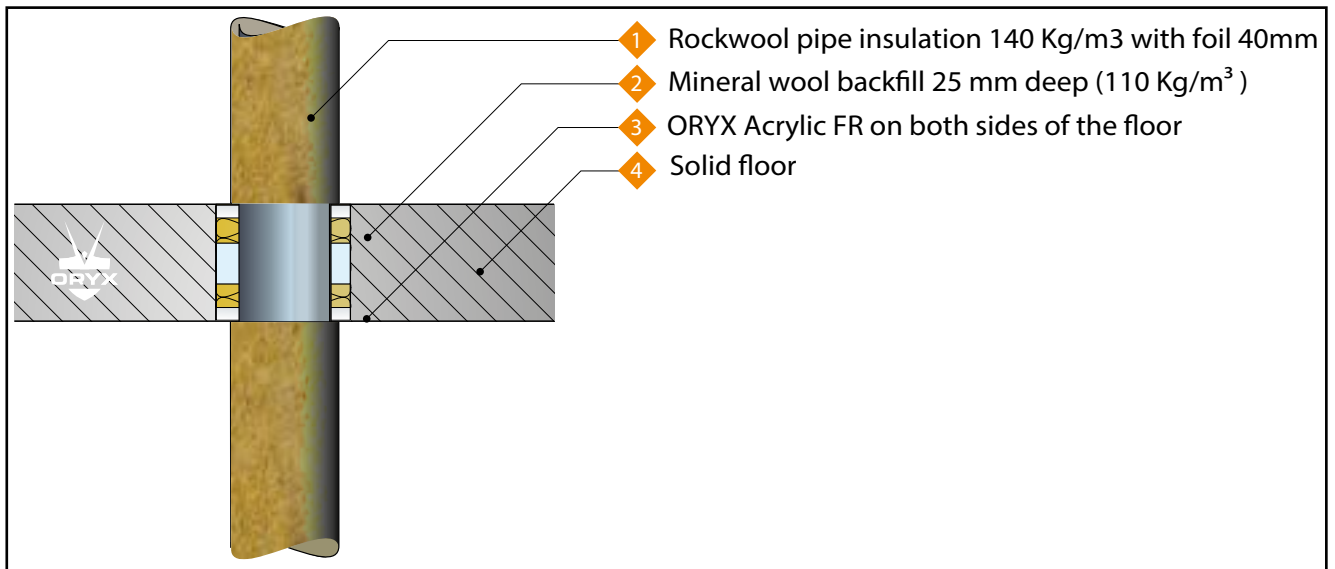
A.3.2 Penetration with steel pipe without insulation



A.3.2.1 Pipes without insulation

ORYX® Acrylic FR penetration seal in solid floors of 150 mm thick (min.)				
Aperture (mm)	Composition of seal	Penetration(s)	Position of tubes	Classification
150 diameter	10 mm deep ORYX® Acrylic FR flat on both sides of the wall, backfill 130 mm deep rockwool (90 kg/m ³)	Single mild steel pipe 89 mm diameter and 3 – 14.2 mm wall thickness	Central	E 240 C/U EI 15 C/U
		Single copper or mild steel pipe 35 mm diameter and 1.2 – 14.2 mm wall thickness		E 240

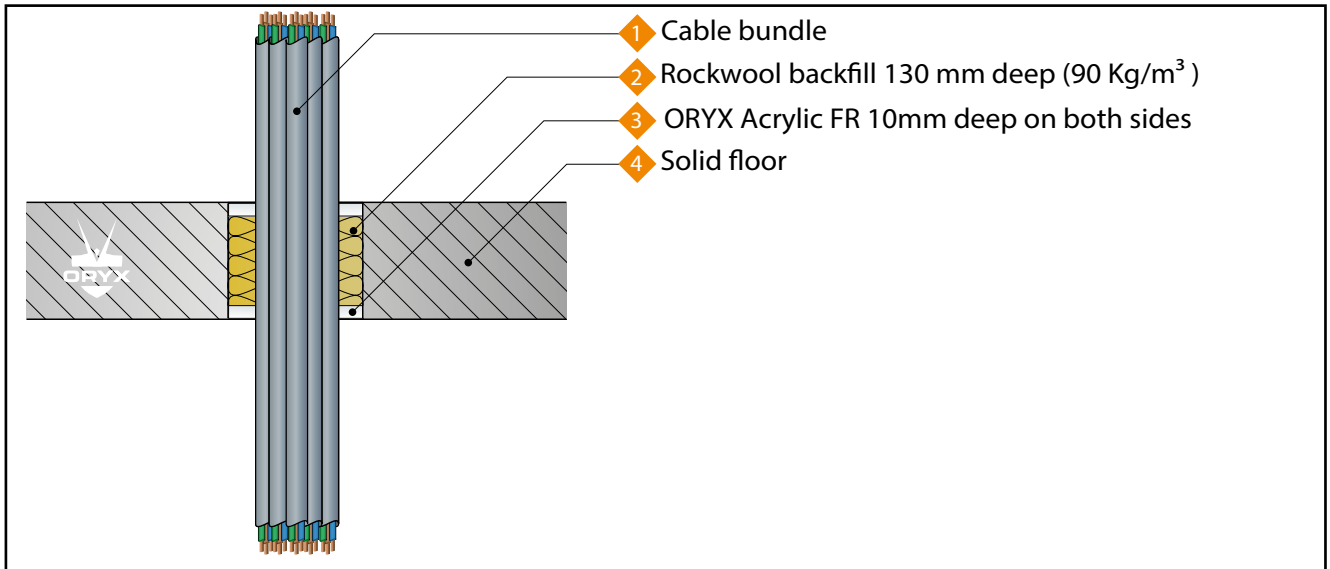
A.3.3 Penetration with steel pipe, insulated with rockwool insulation



A.3.3.1 Pipes with 40 mm thick / 500 mm long (LS), 140 kg/m³, rockwool insulation

ORYX® Acrylic FR penetration seal in solid floors of 150 mm thick (min.)				
Aperture (mm)	Composition of seal	Penetration(s)	Position of tubes	Classification
300 diameter	20 mm deep ORYX® Acrylic FR flat on both sides of the wall, back-fill 25 mm deep rock-wool (110 kg/m ³)	Steel pipe 219 mm diameter and 8 – 14.2 mm wall thickness	Central	E 180-C/C EI 120-C/C
120 diameter	15 mm deep ORYX® Acrylic FR flat on both sides of the wall, back-fill 25 mm deep rock-wool (110 kg/m ³)	Single copper pipe 54 mm diameter and 1.2-14.2 mm wall thickness		E 240-C/C EI 180-C/C

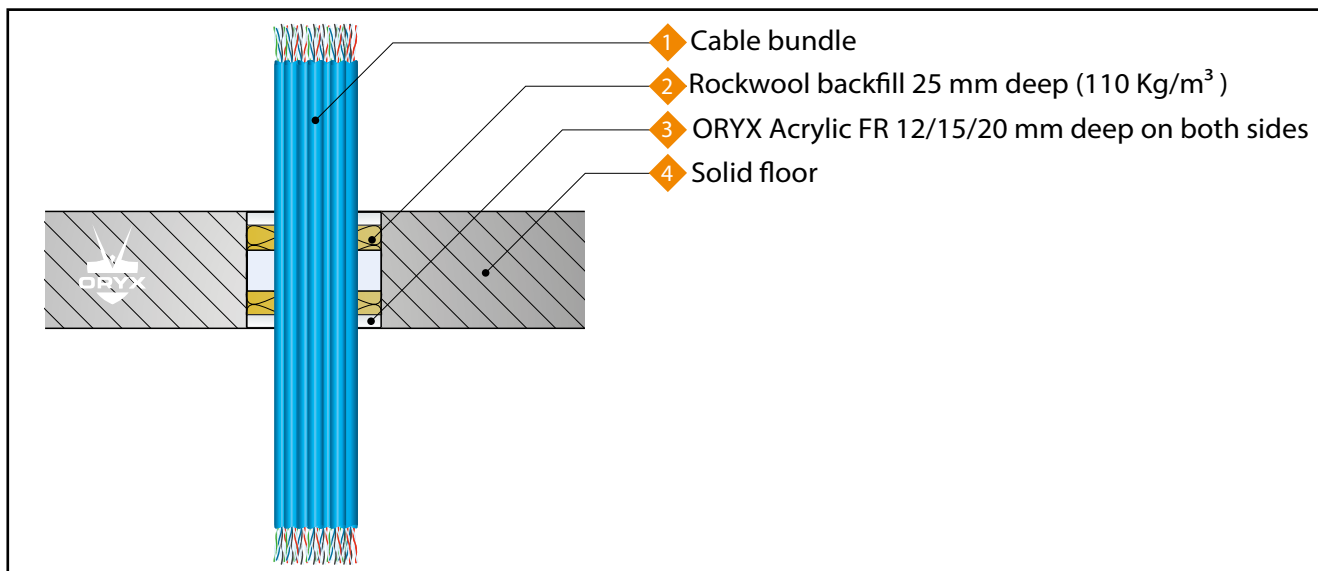
A.3.4 Penetration with cables



A.3.4.1 Cables

ORYX® Acrylic FR penetration seal in solid floors of 150 mm thick (min.)				
Aperture (mm)	Composition of seal	Penetration(s)	Position of tubes	Classification
100 diameter	10 mm deep ORYX® Acrylic FR flat on both sides of the wall, backfill 130 mm deep rockwool (90 kg/m ³)	Single bundle of 21 x 14 mm diameter – 3 x 1.5 mm ² copper core/ steel-reinforced cables (BS7671-6944XLH)	Central	E 240 EI 120
		Single bundle of 4 x 25 mm diameter – 4 x 16 mm ² copper core / steel-reinforced cables (BS7671-6944XLH), and 5 x 19 mm diameter – 4 x 6.0 mm ² copper core / steel-reinforced cables (BS7671-6944LSH)		E 240 EI 90

A.3.5 Penetration with cables



A.3.5.1 Cables

ORYX® Acrylic FR penetration seal in solid floors of 150 mm thick (min.)				
Aperture (mm)	Composition of seal	Penetration(s)	Position of tubes	Classification
120 diameter	15 mm deep ORYX® Acrylic FR flat on both sides of the wall, back-fill 25 mm deep rock-wool (110 kg/m³)	Telecom cables up to 21 mm diameter in a bundle of max. 40 x	Central	E 240 EI 90
	20 mm deep ORYX® Acrylic FR flat on both sides of the wall, back-fill 25 mm deep rock-wool (110 kg/m³)	Electrical cables – Type C1, in a bundle of max. 2 x		E 240 EI 90
90 diameter	15 mm deep ORYX® Acrylic FR flat on both sides of the wall, back-fill 25 mm deep rock-wool (110 kg/m³)	Electrical cables – Type A3, in a bundle of max. 2 x		E 240 EI 90

Type C1 cable = 4 x 95 mm² core HD604.5 electrical cable with XLPE insulation, EVA sleeve and 42 mm diameter
 Type C3 cable = 4 x 95 mm² core HD603.3 electrical cable with PVC insulation, PVC sleeve and 42 mm diameter

ANNEX B, FIRE-RESISTANCE OF JOINTS

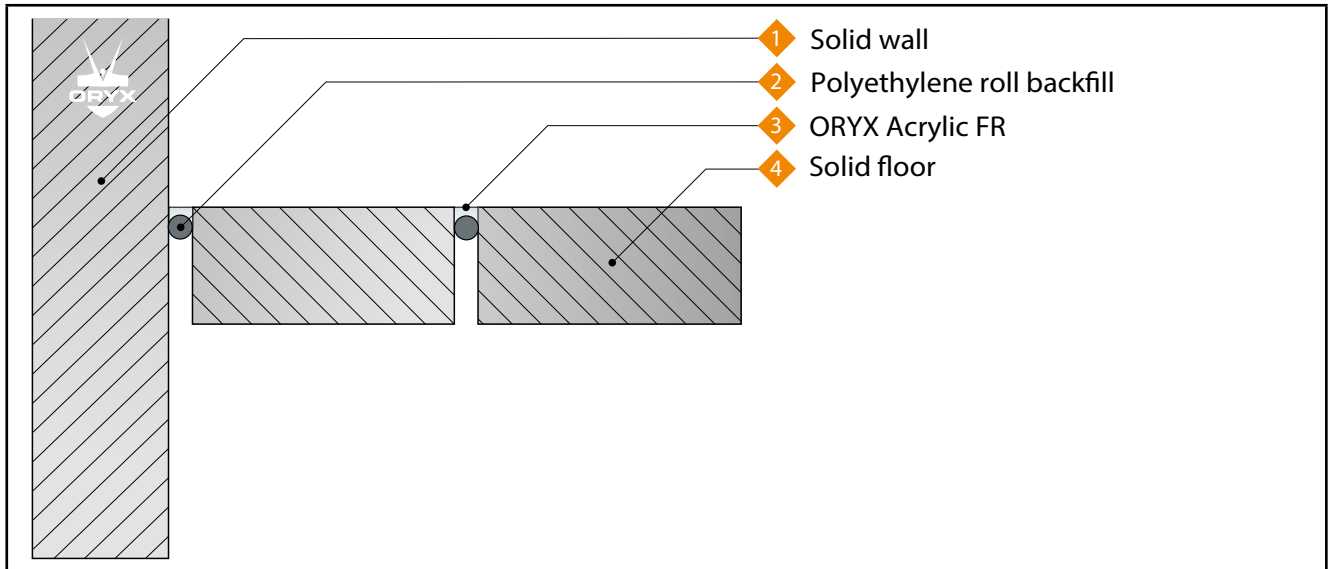
Characteristics of the product and references to the assessment methods

Product type: Sealant		Use: Sealing of linear joints and seams	
Basic requirements for construction applications	Basic requirements	Characteristics	
BWR 1 Mechanical resistance and stability			
-	None	Not relevant	
BWR 2 Safety in case of fire			
EN 13501-1	Reaction to fire	Fire class F	
EN 13501-2	Fire-resistance	Annex B	
BWR 3 Hygiene, health and environment			
EN 1026:2000	Air permeability (material characteristic)	No characteristic specified	
ETAG 026-3, Annex C	Water permeability (material characteristic)	No characteristic specified	
Manufacturer's declaration	Release of hazardous substances	Manufacturer's declaration	
BWR 4 Safety use			
EOTA TR 001:2003	Mechanical resistance and stability	No characteristic specified	
EOTA TR 001:2003	Resistance against denting/movement	No characteristic specified	
EOTA TR 001:2003 ISO 11600	Gluing	No characteristic specified	
BWR 5 Noise protection			
EN 10140-2/EN ISO 717-1	Airborne noise insulation	No characteristic specified	
EN 10140-3 / EN ISO 717-2	Impact sound insulation	No characteristic specified	
BWR 6 Energy efficiency and thermal insulation			
EN 12664, EN12667 or EN 12939	Thermal characteristics	No characteristic specified	
EN ISO 12572 EN 12086	Water-vapour permeability	No characteristic specified	
General aspects relating to use			
ISO 8339:2005, ISO 9046:2004 and ISO 7389:2003	Durability and maintenance	Z ₁	
BWR 7 Sustainable use of natural resources			
-	-	No characteristic specified	

Product(s)	Intended use	Level(s) or class(es)	System
Fire-resistant sealing material	For fire compartmentalisation and/or fire safety or fire protection	All	1

B.1 Solid wall constructions with a wall thickness of at least 200 mm

B.1.1 Linear joint or seam, vertically oriented with the seal on the side exposed to fire



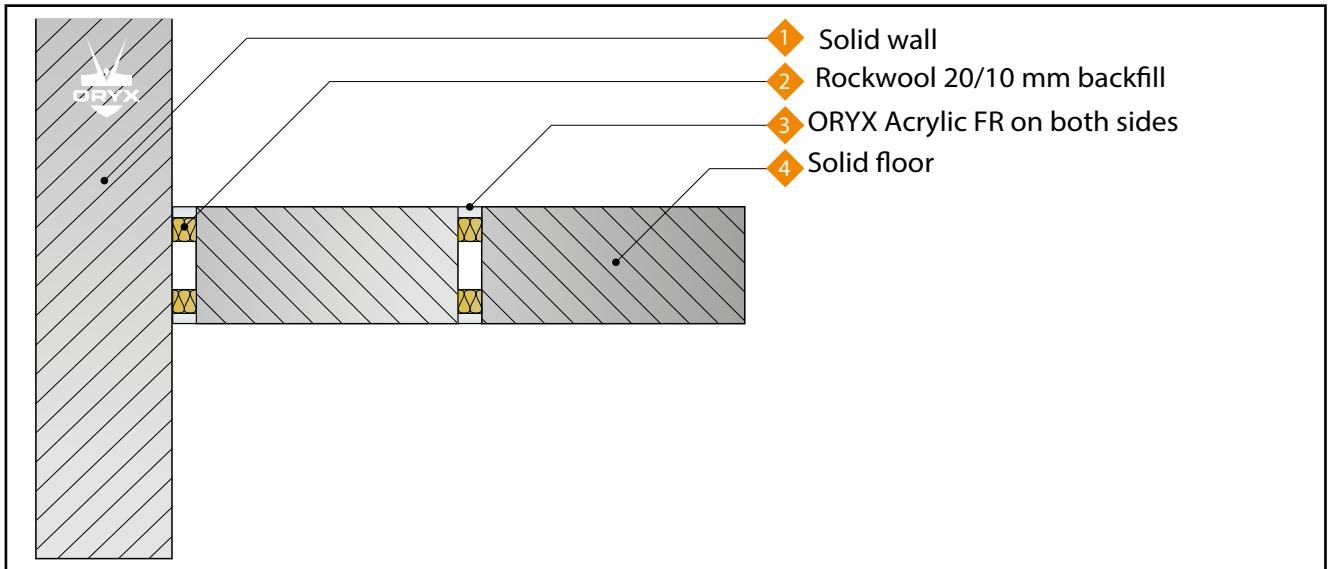
B.1.1.1

ORYX® Acrylic FR Linear joints in solid walls of 200 mm thick (min.) – Sealing only on side of joint exposed to fire			
Substrate	Depth (mm)	Backfill	Classification
Stony/ Concrete	25 min.	Polyethylene roll	E 240 – V – X – F – W 30 EI 60 – V – X – F – W 30
	20 min.		E 240 – V – X – F – W 20 EI 90 – V – X – F – W 20
	10 min.		E 240 – V – X – F – W 10 EI 180 – V – X – F – W 10

Explanation of classification:

- H: Horizontal support construction
- V: Vertical support construction, vertical seam
- X: No movement of the joint
- F: Type joint 'Field'
- W: Joint-width range (in mm)

B.1.2 Linear joint or seam, vertically oriented with the seal on both sides



B.1.2.1

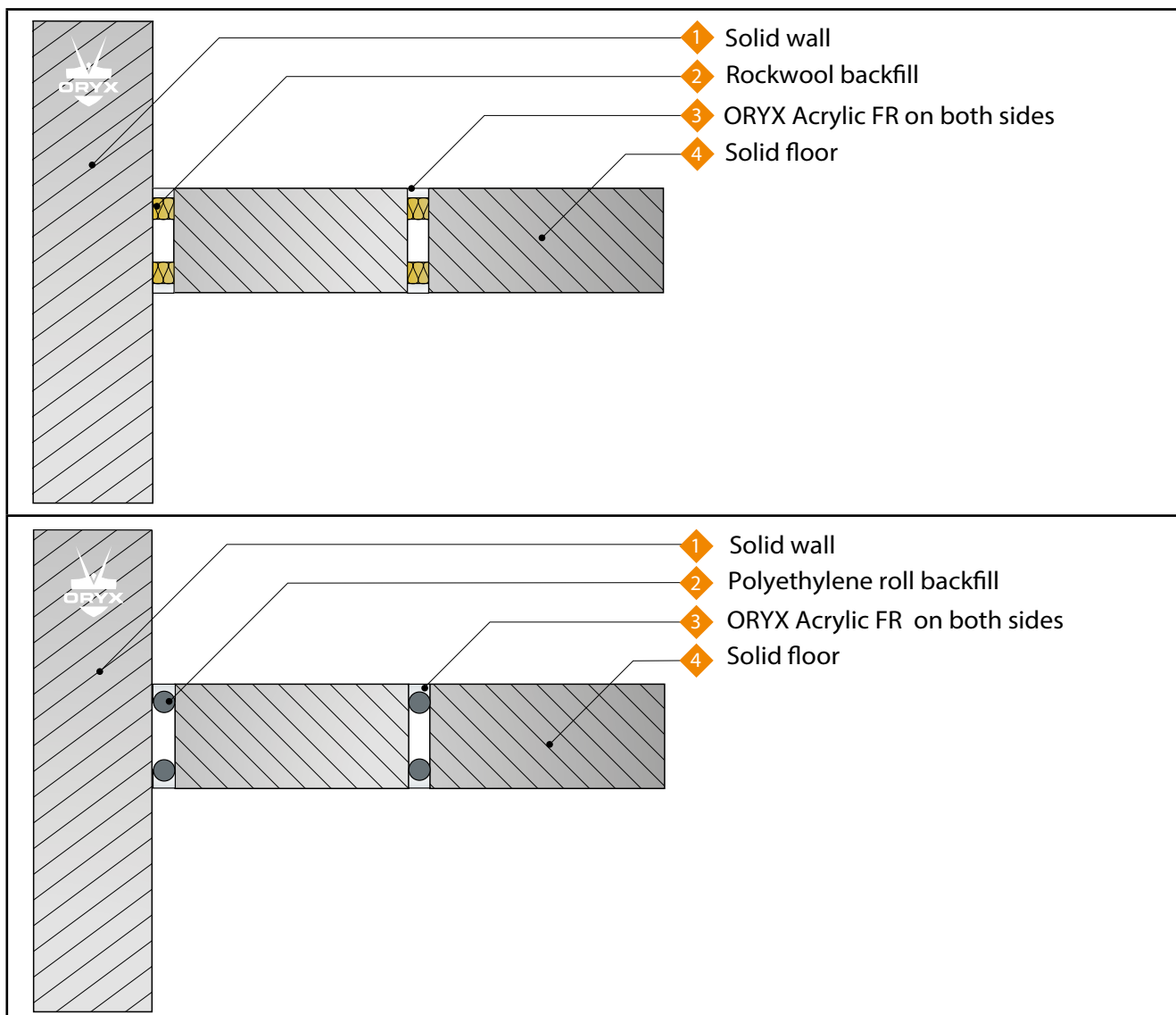
ORYX® Acrylic FR Linear joints in solid walls of 200 mm thick (min.) – Flat seal on both sides of the wall			
Substrate	Depth (mm)	Backfill	Classification
Stony/ Concrete	20 min.	Rockwool 20 mm deep / 90 kg/m ³	EI 240 – V – X – F – W 30
	10 min.	Rockwool 10 mm deep / 90 kg/m ³	EI 240 – V – X – F – W 10

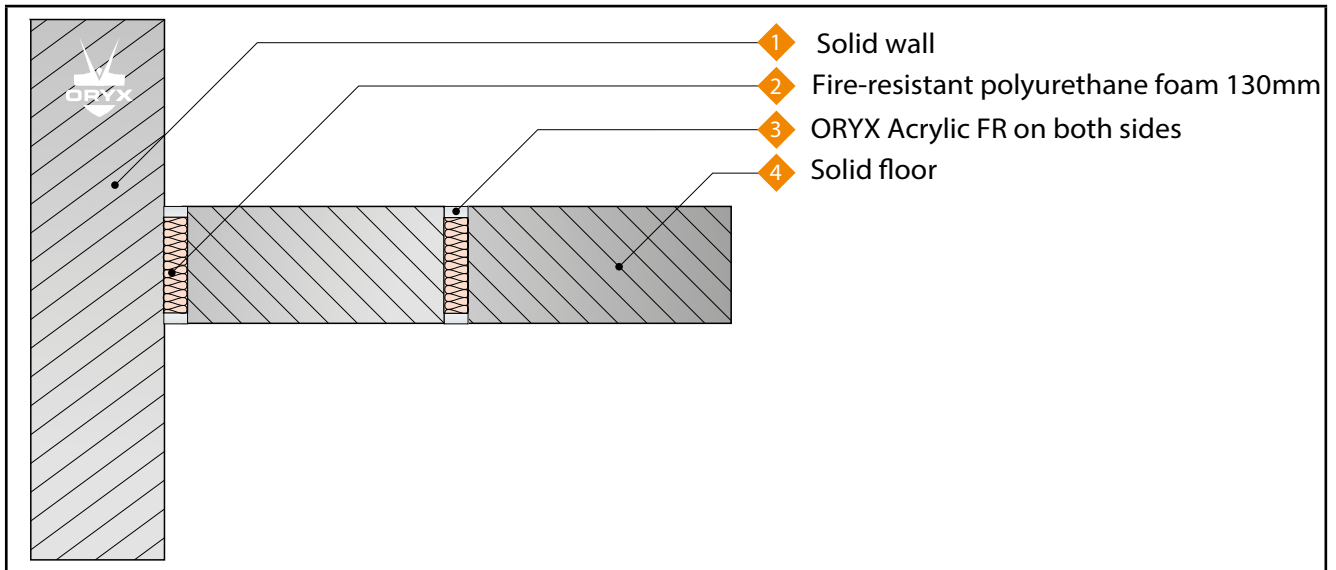
Explanation of classification:

- H: Horizontal support construction
- V: Vertical support construction, vertical seam
- X: No movement of the joint
- F: Type joint 'Field'
- W: Joint-width range (in mm)

B.2 Solid wall constructions with a thickness of at least 150 mm

B.2.1 Linear joint or seam, vertically oriented with the seal on both sides



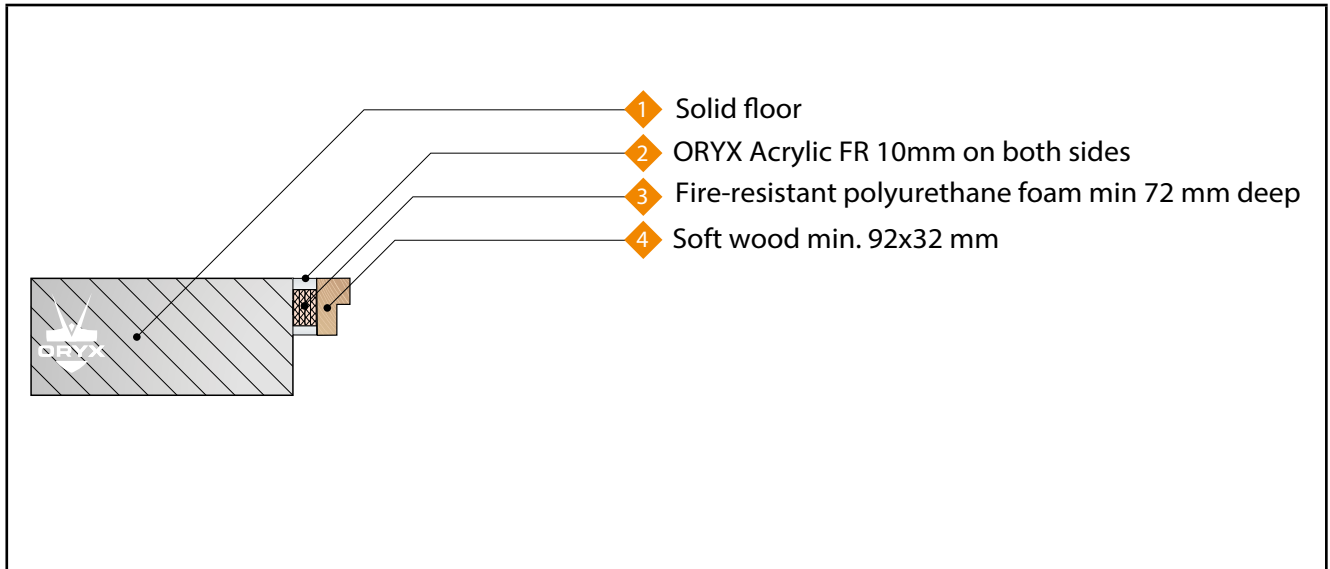

B.2.1.1

ORYX® Acrylic FR Linear joints in solid walls of 150 mm thick (min.) – Flat seal on both sides of the wall			
Substrate	Depth (mm)	Backfill	Classification
Stony/ Concrete	10 min.	PU foam 130 mm deep min.	EI 240 – V – X – F – W 50
	15 min.	Polyethylene roll	E 240 – V – X – F – W 30 EI 180 – V – X – F – W 30
	10 min.	Polyethylene roll	E 240 – V – X – F – W 20 EI 90 – V – X – F – W 30
Stony/ con- crete-steel	10 min.	Polyethylene roll	E 240 – V – X – F – W 30 EI 90 – V – X – F – W 30
	25 min.	50 mm rockwool	EI 240 – V – X – F – W 50
Stony/ con- crete-wood	20 min.	Polyethylene roll	EI 120 – V – X – F – W 30
	15 min.	Rockwool, 120 mm deep min.	EI 180 – V – X – F – W 30
Wood / concrete	25 min.	50 mm rockwool	EI 120 – V – X – F – W 50

Explanation of classification:

- H: Horizontal support construction
- V: Vertical support construction, vertical seam
- X: No movement of the joint
- F: Type joint 'Field'
- W: Joint-width range (in mm)

B.2.2 Linear joint or seam, vertically oriented with the seal on both sides



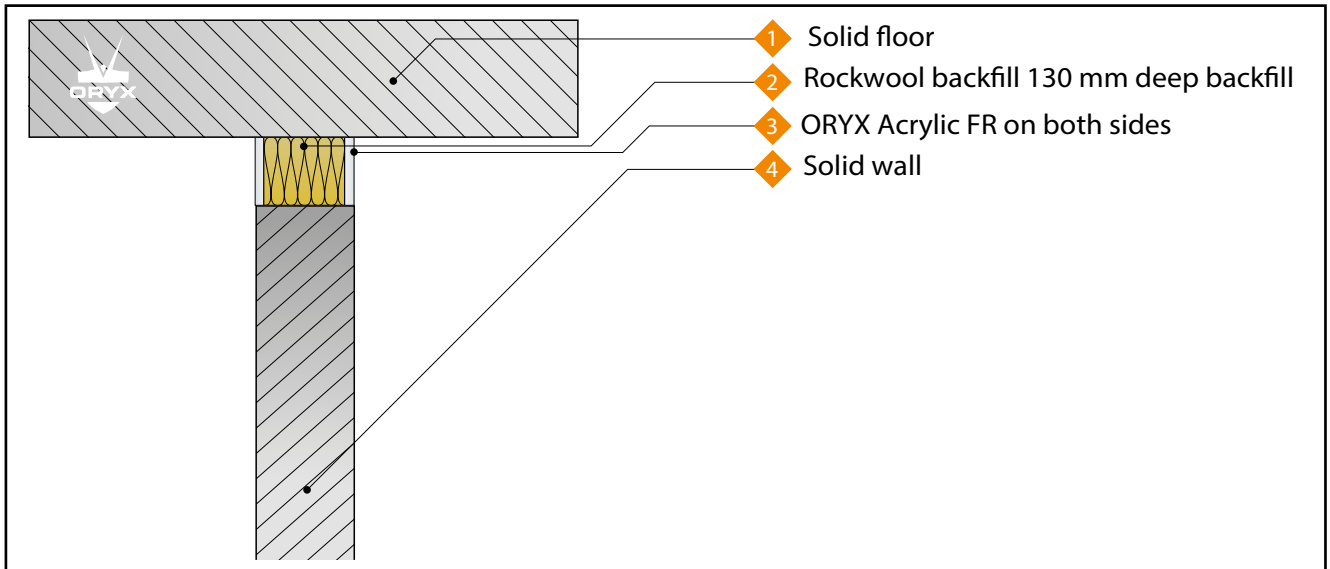
B.2.2.1

Substrate	Depth (mm)	Backfill	Classification
Wood / Concrete or concrete / concrete	10 min.	72 mm PU foam	EI 120 – V – X – F – W 20

Explanation of classification:

- H: Horizontal support construction*
- V: Vertical support construction, vertical seam*
- X: No movement of the joint*
- F: Type joint 'Field'*
- W: Joint-width range (in mm)*

B.2.3 Linear joint or seam, horizontally oriented to the top of the wall, with the seal on both sides



B.2.3.1

Substrate	Depth (mm)	Backfill	Classification
Stony/ Concrete	10 min.	130 mm rockwool	EI 240 – T – X – F – W 20

Explanation of classification:

T: Vertical support structure, horizontal seam

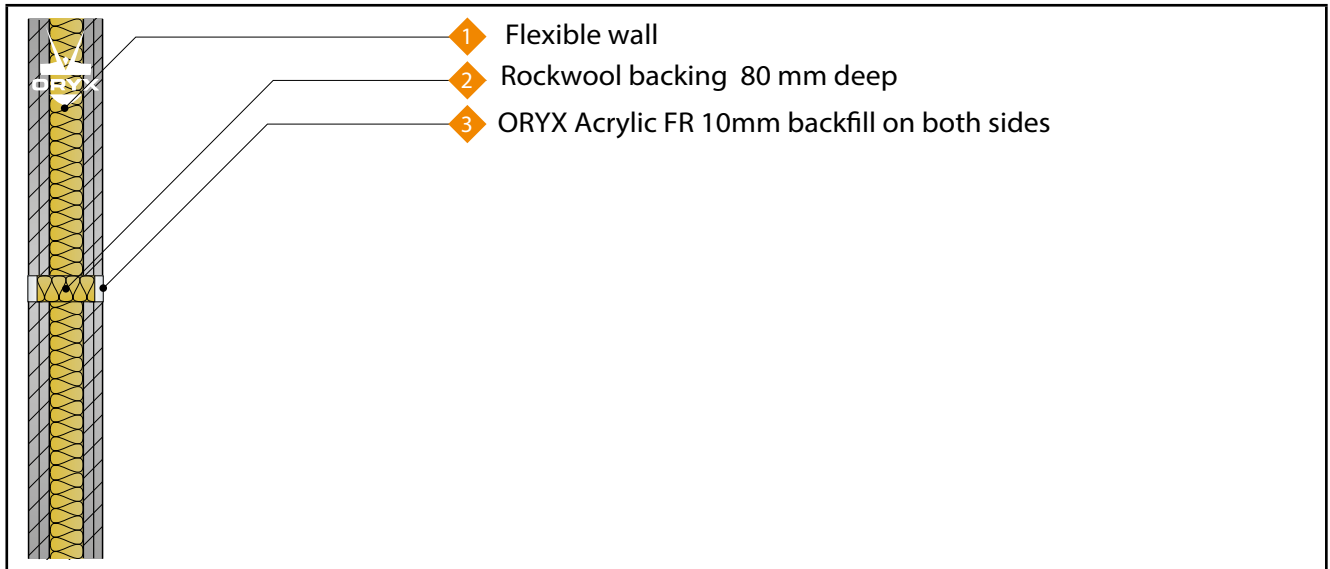
X: No movement of the joint

F: Type joint 'Field'

W: Joint-width range (in mm)

B.3 Flexible wall structures up to 3 metres high, with a wall thickness of min. 100 mm

B.3.1 Linear joint or seam, vertically oriented with the seal on both sides



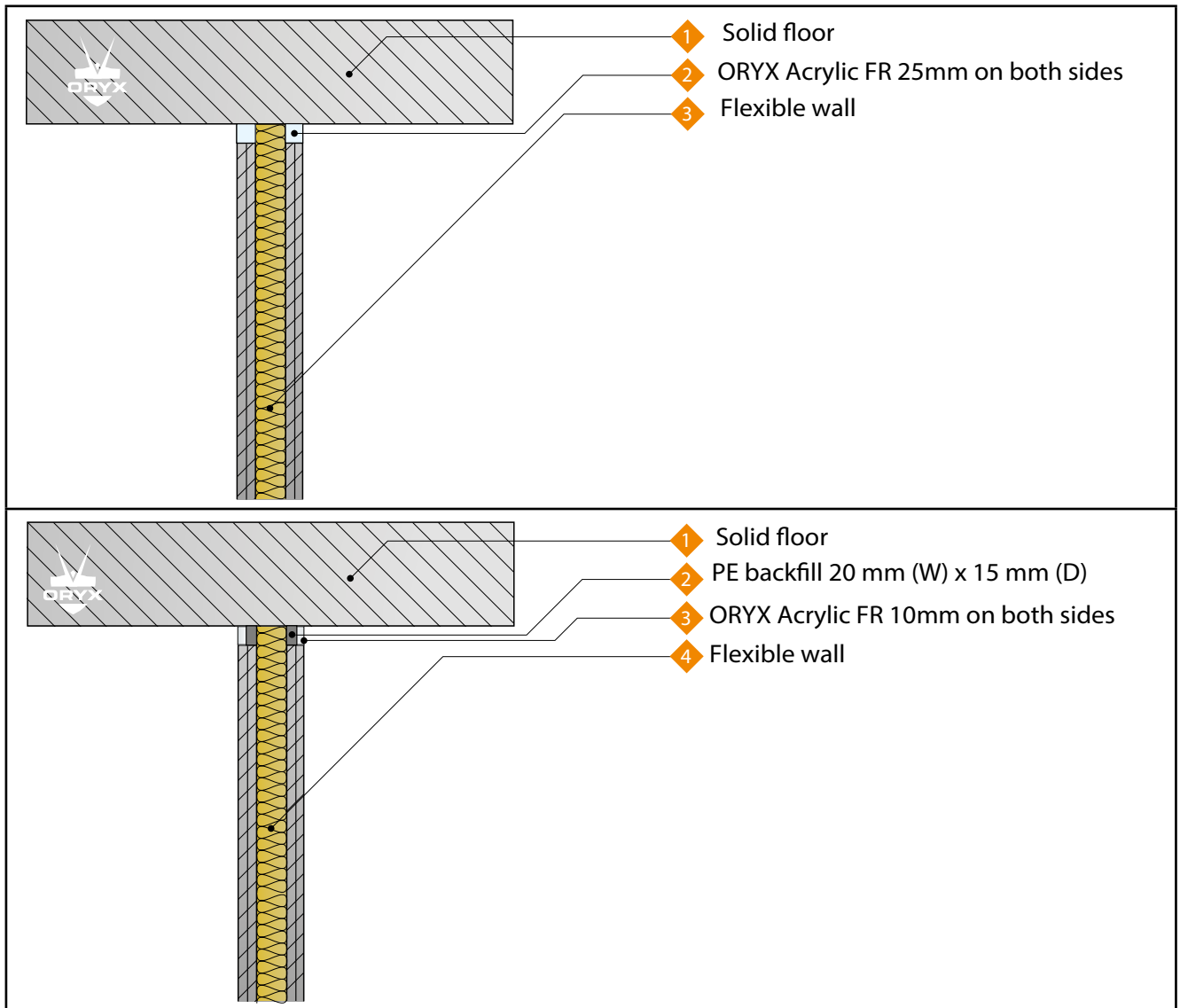
B.3.1.1

Substrate	Depth (mm)	Backfill	Classification
Drywall / Drywall	10 min.	80 mm rockwool	EI 120 – V – X – F – W 25

Explanation of classification:

- H: Horizontal support construction*
- V: Vertical support construction, vertical seam*
- X: No movement of the joint*
- F: Type joint 'Field'*
- W: Joint-width range (in mm)*

B.3.2 Linear joint or seam, horizontal linear joints, between the upper edge of a flexible wall of min. 100 mm thick and solid floors





B.3.2.1

Substrate	Depth (mm)	Backfill	Classification
Drywall / Concrete	25 min.	50 mm metal-stud profile	EI 120 – T – X – F – W 20
	10 min.	15 mm PE backfill and 50 mm metal-stud profile	

Explanation of classification:

T: Vertical support structure, horizontal seam

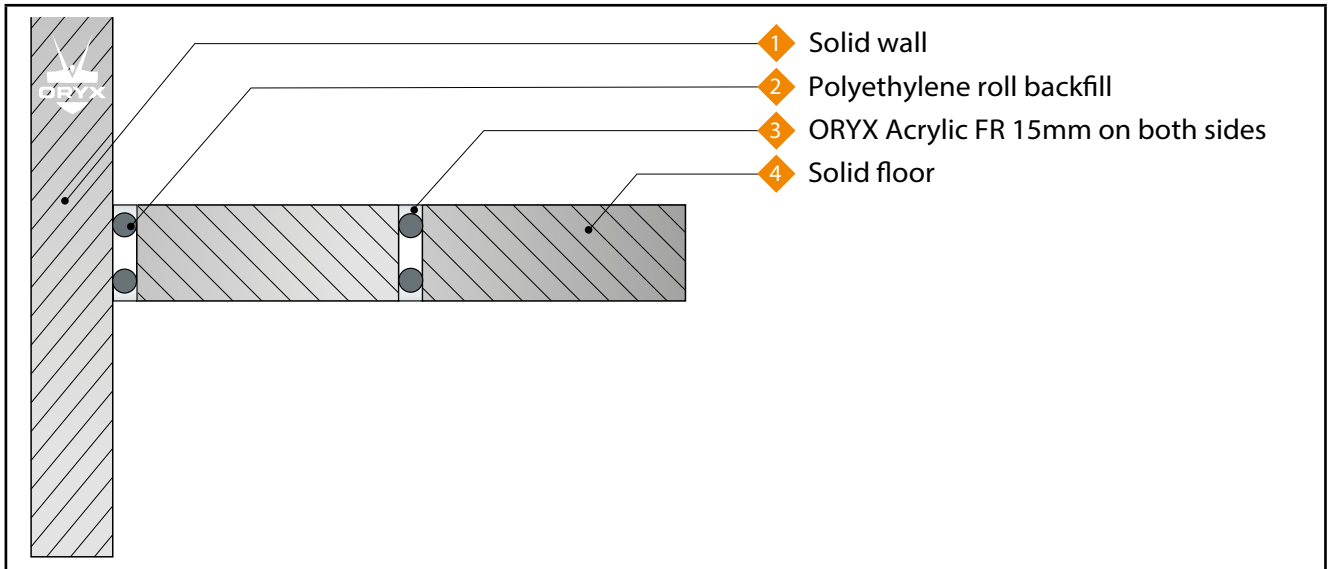
X: No movement of the joint

F: Type joint 'Field'

W: Joint-width range (in mm)

B.4 Solid wall structures with a wall thickness of min. 100 mm

B.4.1 Linear joint or seam, vertically oriented with the seal on both sides



B.4.1.1

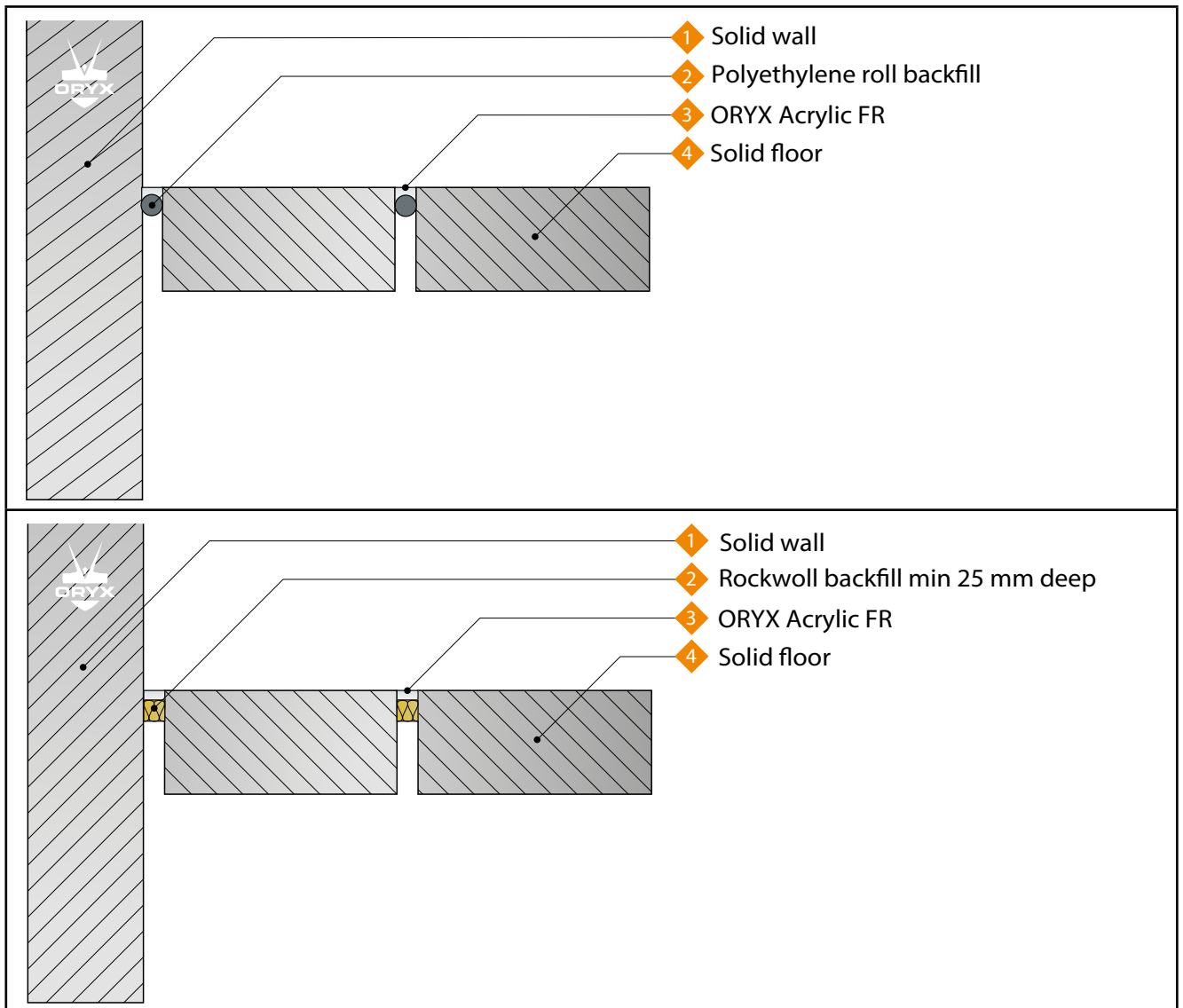
ORYX® Acrylic FR Linear joints in solid walls of 100 mm thick (min.) – Flat seal on both sides of the wall			
Substrate	Depth (mm)	Backfill	Classification
Stony/ Concrete	15 min.	Polyethylene roll	E 240 – V – X – F – W 00 to 30 EI 120 – V – X – F – W 00 to 30

Explanation of classification:

- H: Horizontal support construction
- V: Vertical support construction, vertical seam
- X: No movement of the joint
- F: Type joint 'Field'
- W: Joint-width range (in mm)

B.5 Solid floor structures with a thickness of min. 150 mm

B.5.1 Linear joint or seam, between floor components or between floors and walls, with the seal on the upper surface of the floor





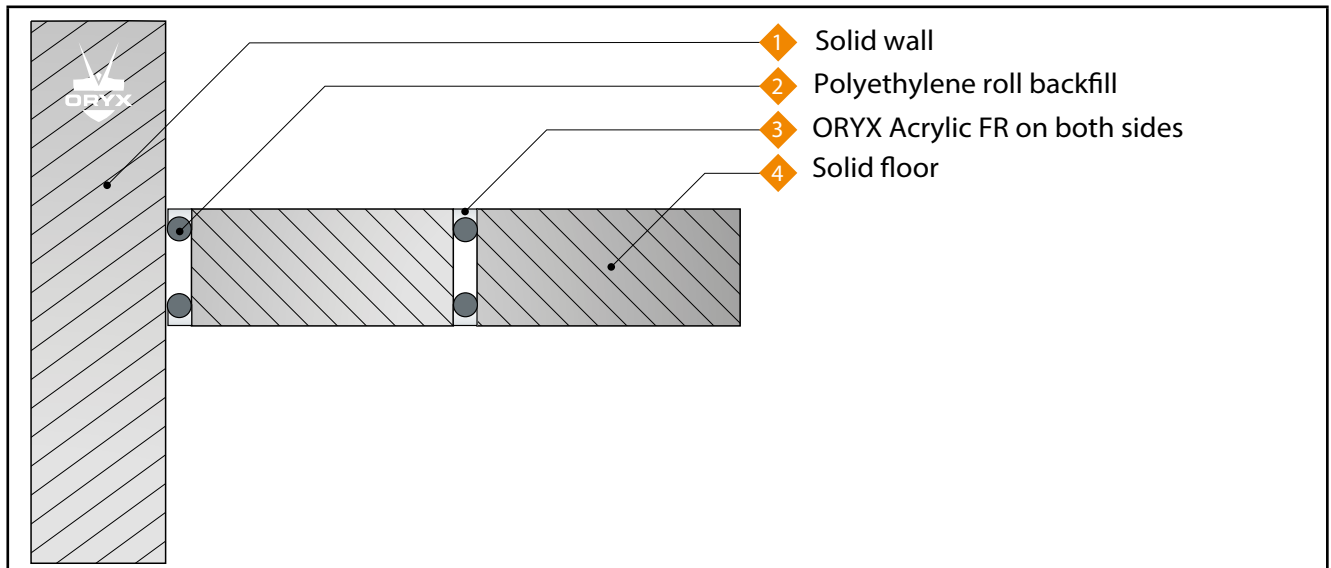
B.5.1.1

ORYX® Acrylic FR Linear joints in solid floors of 150 mm thick (min.) – Sealing on the upper surface of the floor			
Substrate	Depth (mm)	Backfill	Classification
Stony/ Concrete	10 min.	Rockwool 90 kg/m ³ 25 mm deep min.	E 240 – H – X – F – W 00 to 30 EI 180 – H – X – F – W 00 to 30
	15 min.	Polyethylene roll	E 90 – H – X – F – W 00 to 30 EI 45 – H – X – F – W 00 to 30
	10 min.	Polyethylene roll	E 240 – H – X – F – W 00 to 20 EI 60 – H – X – F – W 00 to 20
	10 min.	Polyethylene roll	E 240 – H – X – F – W 00 to 10 EI 120 – H – X – F – W 00 to 10

Explanation of classification:

- H: Horizontal support construction*
- V: Vertical support construction, vertical seam*
- X: No movement of the joint*
- F: Type joint 'Field'*
- W: Joint-width range (in mm)*

B.5.2 Linear joint or seam, between floor components or between floors and walls, with the seal on both sides of the floor



B.5.2.1

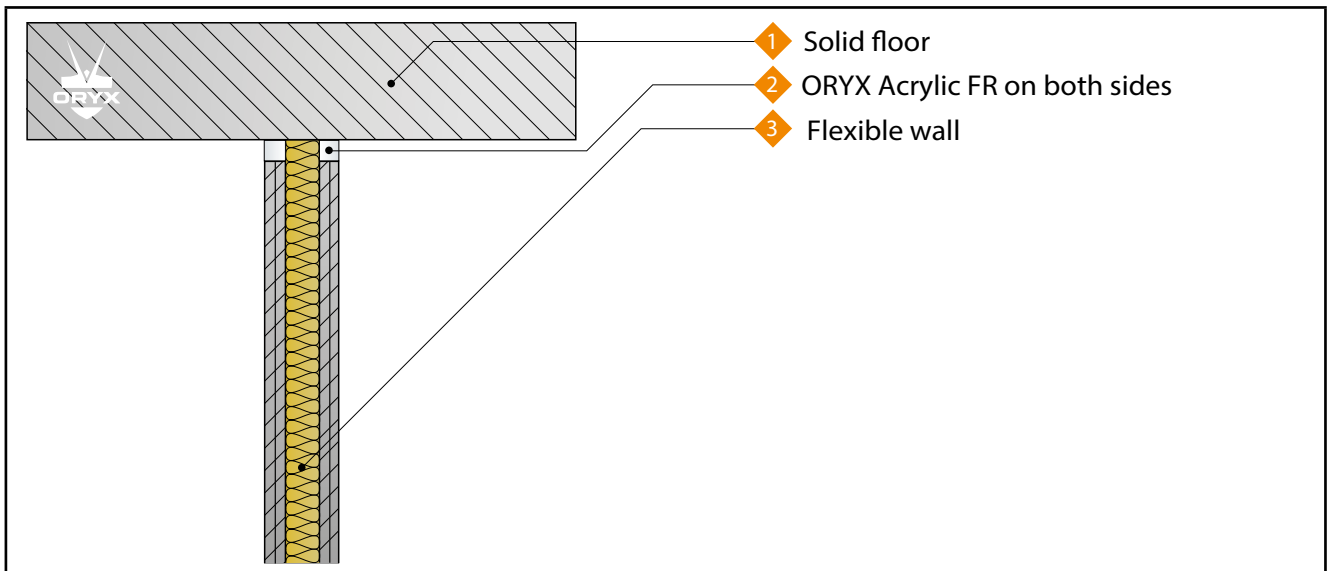
ORYX® Acrylic FR Linear joints in solid floors of 150 mm thick (min.) – Flat seal on both sides of the wall			
Substrate	Depth (mm)	Backfill	Classification
Stony/ Concrete	10 min.	Polyethylene roll	E 240 – H – X – F – W 00 to 30 EI 180 – H – X – F – W 00 to 30
Stony/ Concrete-steel	10 min.	Polyethylene roll	E 240 – H – X – F – W 00 to 30 EI 90 – H – X – F – W 00 to 30

Explanation of classification:

- H: Horizontal support construction
- V: Vertical support construction, vertical seam
- X: No movement of the joint
- F: Type joint 'Field'
- W: Joint-width range (in mm)

B.6 Flexible wall structures with a thickness of min. 100 mm

B.6.1 Linear joint, between the top of the plaster of the flexible wall and the underside of the floor, with a seal on both sides



B.6.1.1

ORYX® Acrylic FR Linear joints at the top of flexible walls min. 110 mm thick – Flat seal on both sides of the wall			
Substrate	Depth (mm)	Backfill	Classification
Stony/ Concrete – dry- wall	30 min.	50 mm (min.) met- al-stud profiles filled with 50 mm rock- wool	EI 120 – T – X – F – W 00 to 10

Explanation of classification:

- T: Vertical support structure, horizontal seam
- V: Vertical support construction, vertical seam
- X: No movement of the joint
- F: Type joint 'Field'
- W: Joint-width range (in mm)