



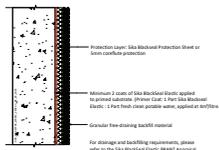
STANDARD CAD DETAILS

Sika BlackSeal® Elastic

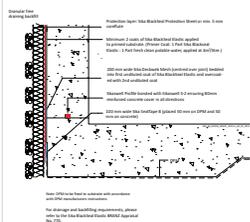
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Sika BlackSeal® Elastic OVERVIEW

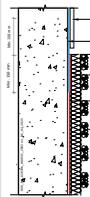
CONCRETE WALLS



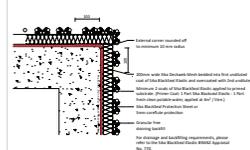
W001C | Pg 3
Concrete Wall



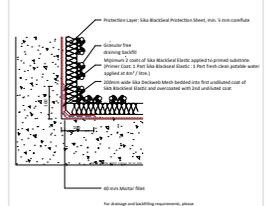
W002C | Pg 4
Concrete Wall to Floor



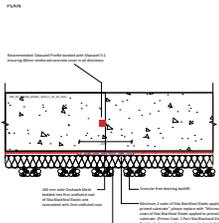
W003C | Pg 5
Concrete Wall Termination at Ground Level



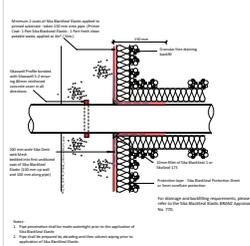
W004C | Pg 6
Insitu Concrete, External Corner



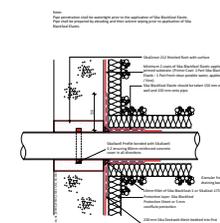
W005C | Pg 7
Concrete, Internal Corner



W006C | Pg 8
Wall Construction Joint

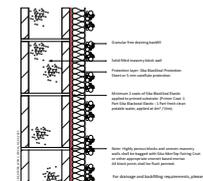


W008C | Pg 9
Insitu or precast concrete wall, cast in pipe penetration

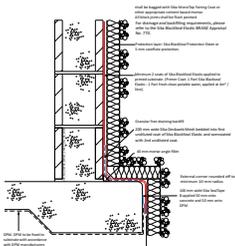


W010C | Pg 10
Concrete wall, boxed out pipe penetration

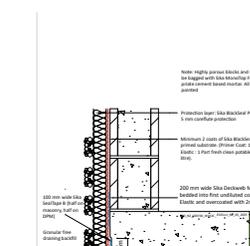
MASONRY WALLS



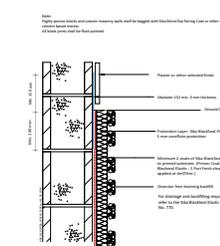
W011C | Pg 11
Masonry Wall



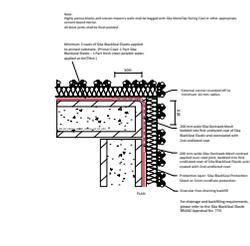
W012C | Pg 12
Masonry Wall, wall to toe footing



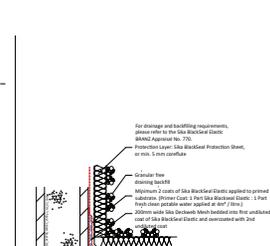
W013C | Pg 13
Masonry Wall, wall to footing



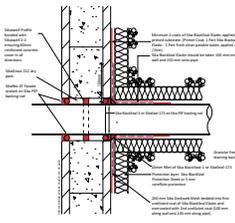
W014C | Pg 14
Masonry Wall, ground level termination



W015C | Pg 15
Masonry Wall, external corner

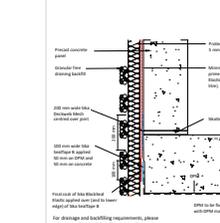


W016C | Pg 16
Masonry Wall, internal corner

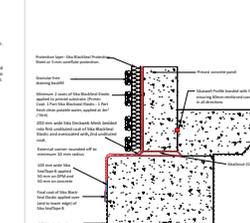


W018C | Pg 17
Masonry Wall, pipe penetration

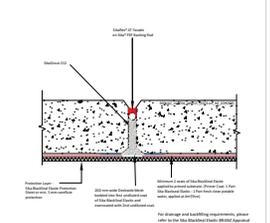
PRECAST WALLS



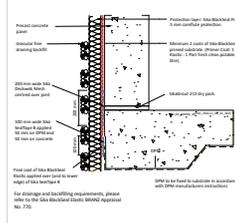
W019C | Pg 18
Precast Wall, wall to floor



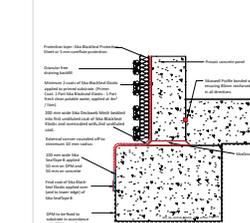
W020C | Pg 19
Precast Wall, on continuous footing



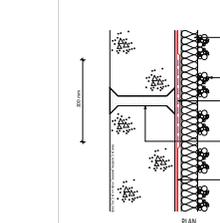
W007C | Pg 20
Precast Wall Sealant Joint



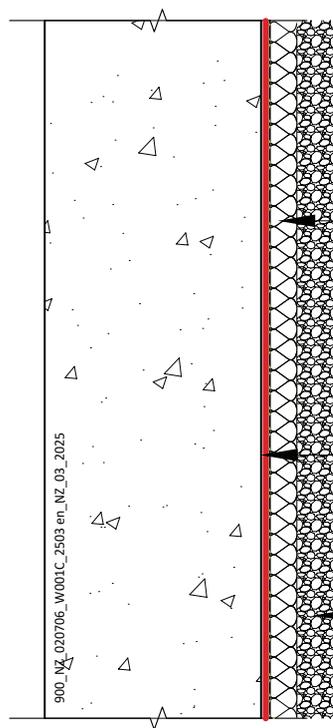
W021C | Pg 21
Precast Wall, External corner



W022C | Pg 22
Precast Wall, Internal corner



W009C | Pg 23
Precast wall, tie bolt hole



Protection Layer: Sika Blackseal Protection Sheet or 5mm coreflute protection

Minimum 2 coats of Sika BlackSeal Elastic applied to primed substrate. (Primer Coat: 1 Part Sika Blackseal Elastic : 1 Part fresh clean potable water, applied at 4m²/litre.)

Granular free-draining backfill material

For drainage and backfilling requirements, please refer to the Sika BlackSeal Elastic BRANZ Appraisal No. 770.

Sika BlackSeal Elastic

Application to concrete wall

General Detail. Not to scale.

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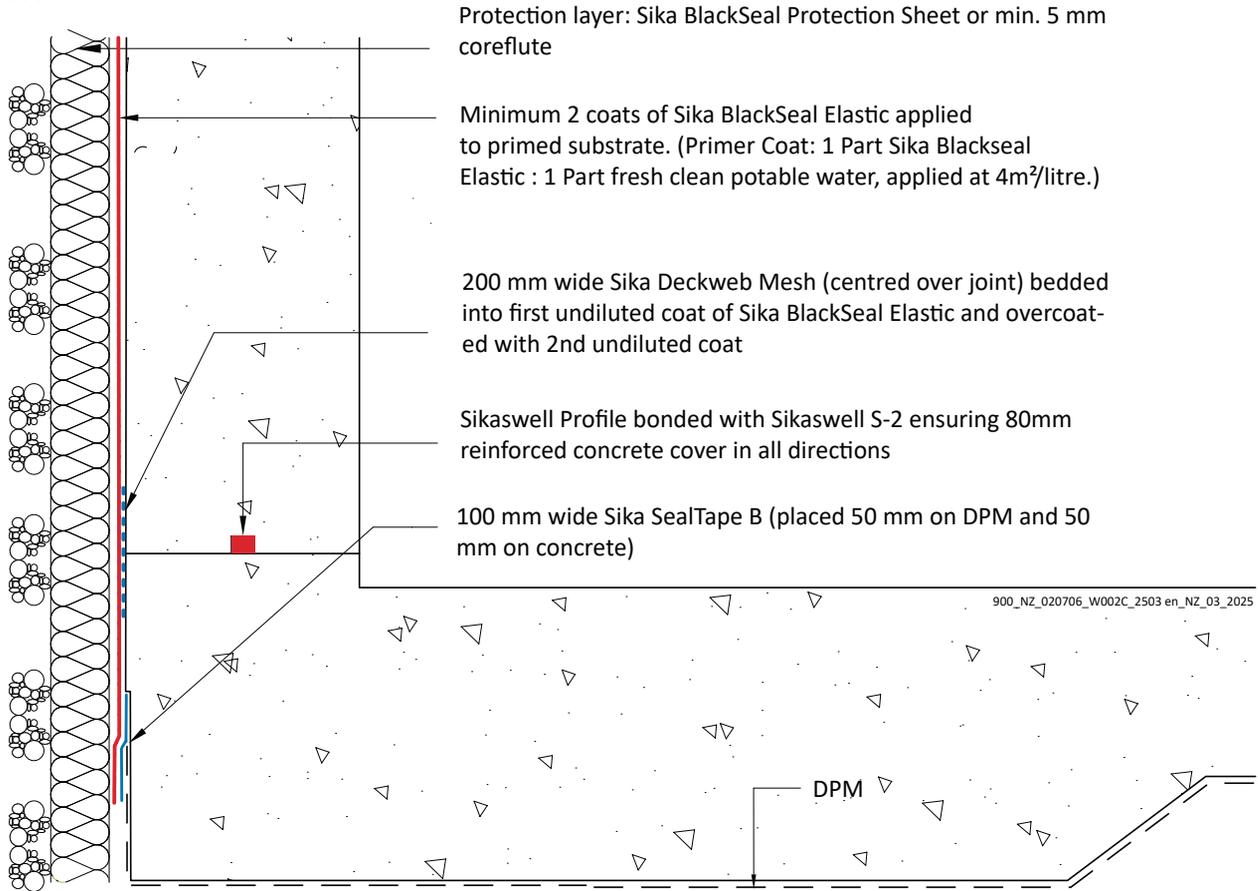
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Granular free
draining backfill



Note: DPM to be fixed to substrate with accordance with DPM manufacturers instructions

For drainage and backfilling requirements, please refer to the Sika BlackSeal Elastic BRNZ Appraisal No. 770.

Sika BlackSeal Elastic
Concrete walls, wall to floor

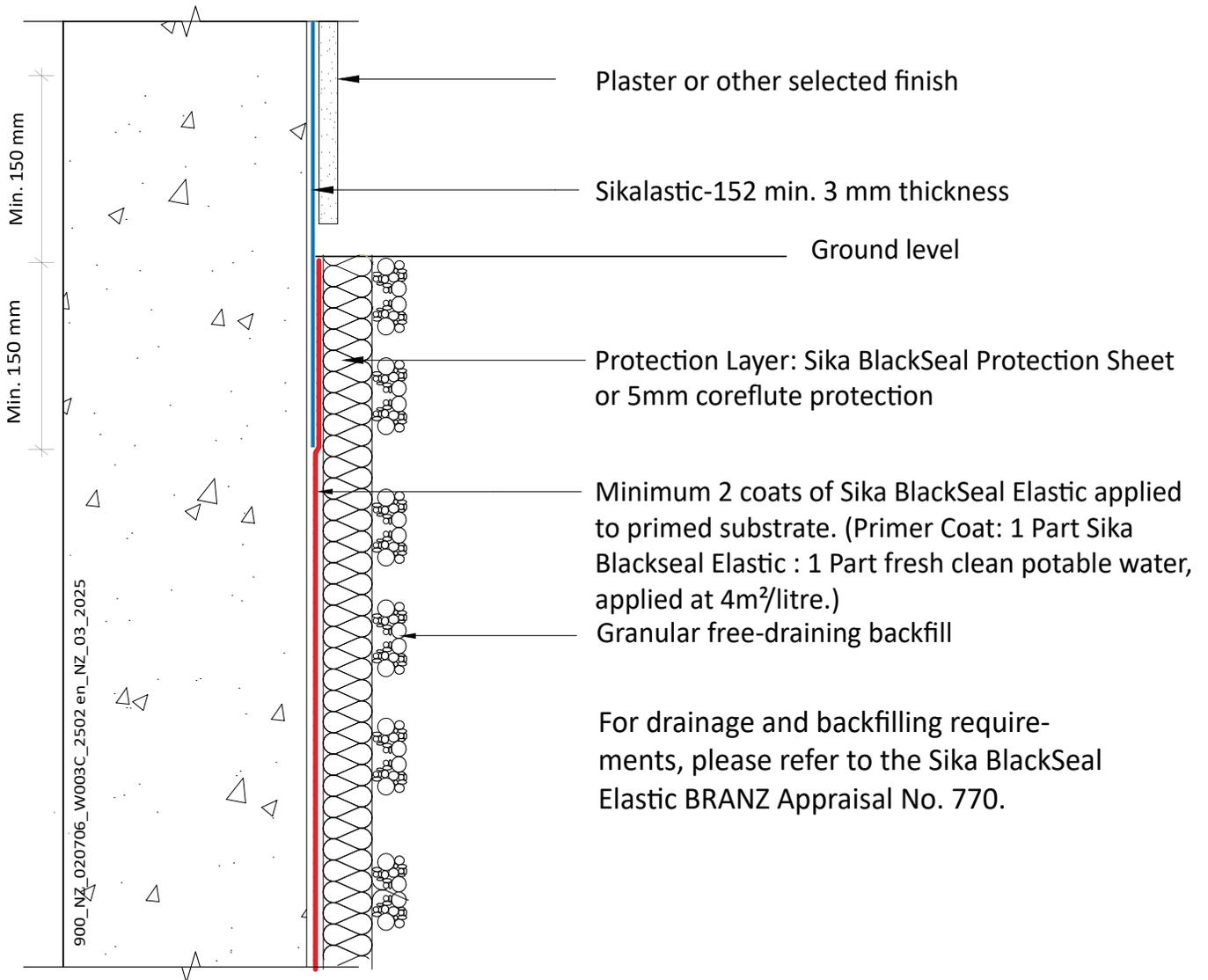
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Sika BlackSeal Elastic
Concrete wall - termination at ground level

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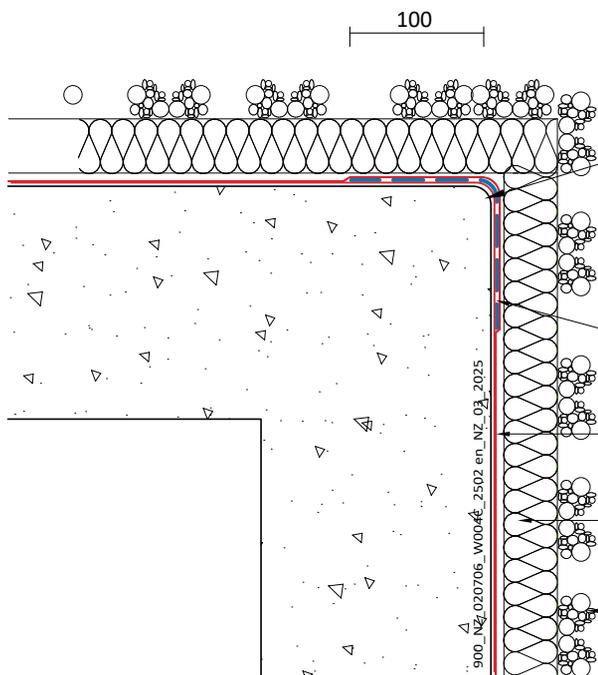
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External corner rounded off to minimum 10 mm radius

200mm wide Sika Deckweb Mesh bedded into first undiluted coat of Sika BlackSeal Elastic and overcoated with 2nd undiluted coat.

Minimum 2 coats of Sika BlackSeal Elastic applied to primed substrate. (Primer Coat: 1 Part Sika Blackseal Elastic : 1 Part fresh clean potable water, applied at 4m² / litre.)

Sika BlackSeal Protection Sheet or 5mm coreflute protection

Granular free draining backfill

For drainage and backfilling requirements, please refer to the Sika BlackSeal Elastic BRANZ Appraisal No. 770.

Sika BlackSeal Elastic
Concrete wall, external corner

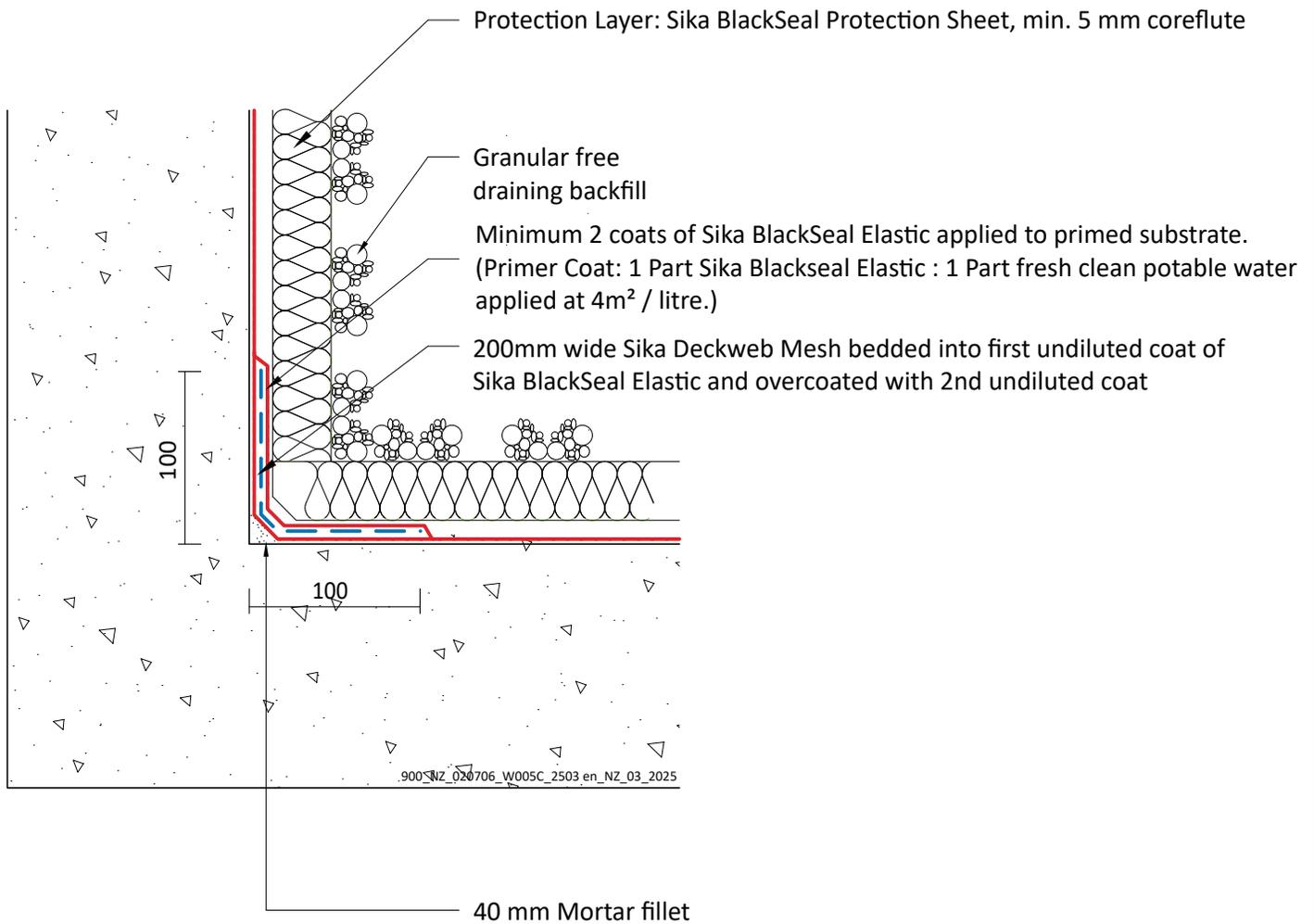
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For drainage and backfilling requirements, please refer to the Sika BlackSeal Elastic BRANZ Appraisal No. 770.

Sika BlackSeal Elastic
Concrete walls, Internal corner

General Detail. Not to scale.

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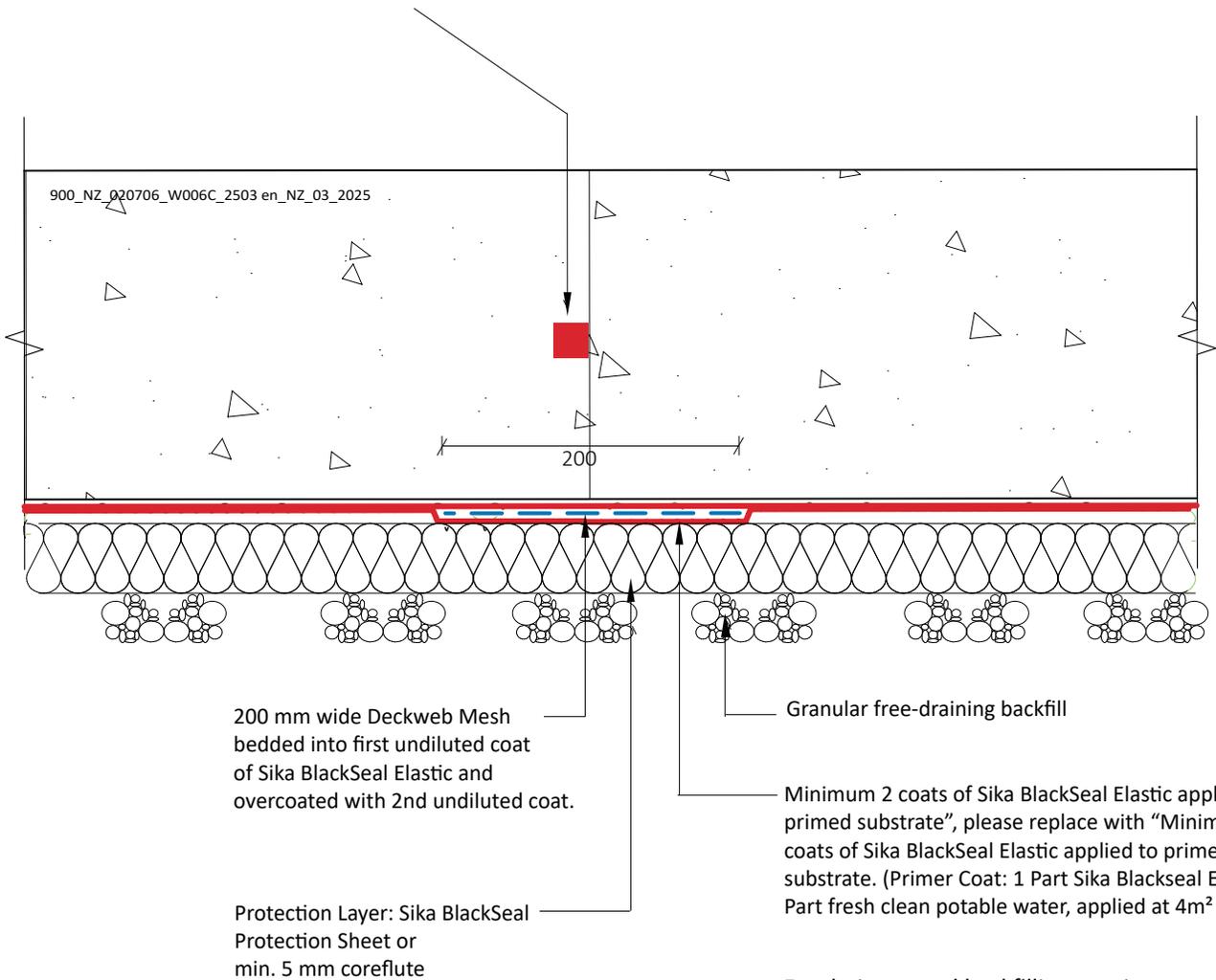
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PLAN

Recommended: Sikaswell Profile bonded with Sikaswell S-2 ensuring 80mm reinforced concrete cover in all directions



For drainage and backfilling requirements, please refer to the Sika BlackSeal Elastic BRANZ Appraisal No. 770.

Sika BlackSeal Elastic Concrete wall - cold joint

General Detail. Not to scale.

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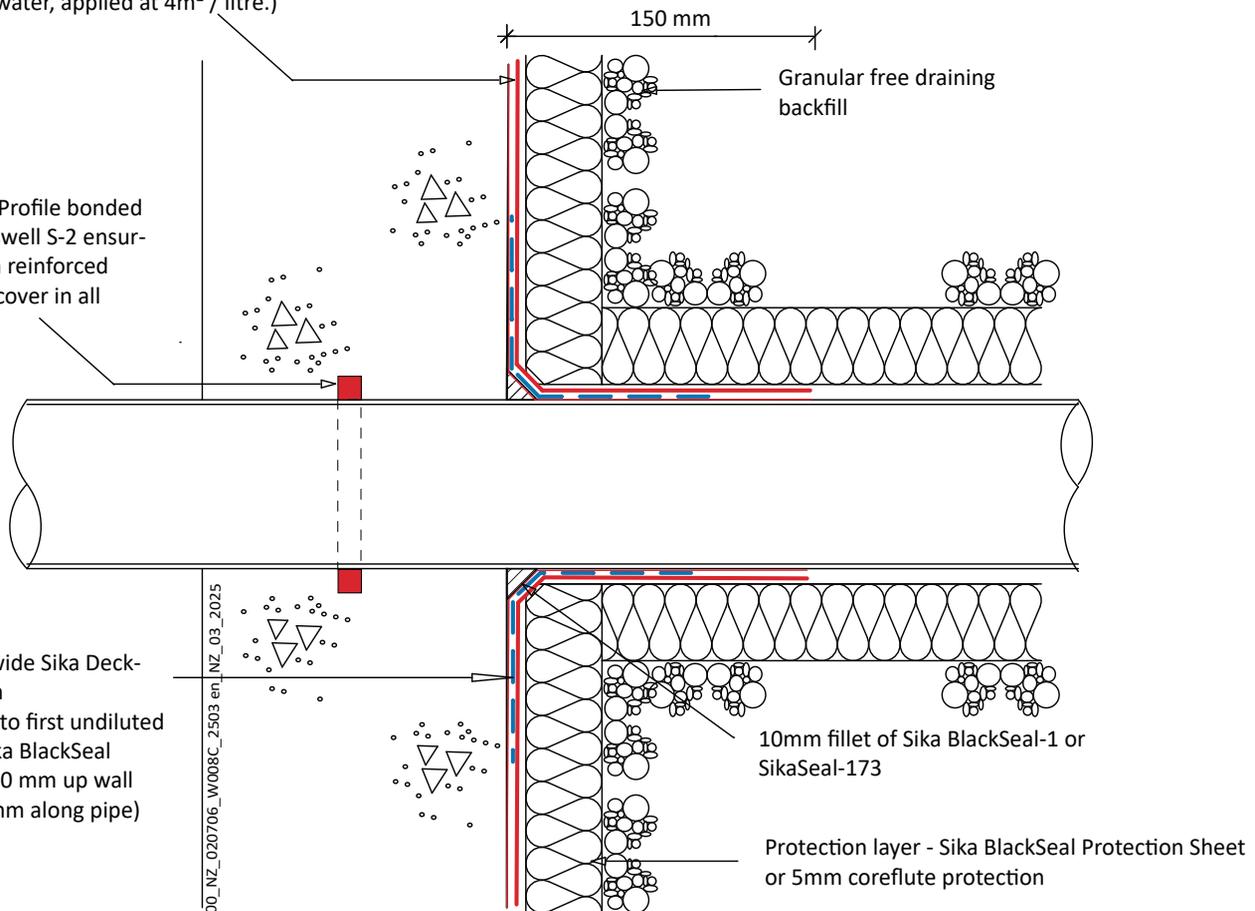


Minimum 2 coats of Sika BlackSeal Elastic applied to primed substrate - taken 150 mm onto pipe. (Primer Coat: 1 Part Sika Blackseal Elastic : 1 Part fresh clean potable water, applied at 4m² / litre.)

Sikaswell Profile bonded with Sikaswell S-2 ensuring 80mm reinforced concrete cover in all directions

200 mm wide Sika Deck-web Mesh bedded into first undiluted coat of Sika BlackSeal Elastic (100 mm up wall and 100 mm along pipe)

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For drainage and backfilling requirements, please refer to the Sika BlackSeal Elastic BRANZ Appraisal No. 770.

Notes:

1. Pipe penetration shall be made watertight prior to the application of Sika BlackSeal Elastic
2. Pipe shall be prepared by abrading and then solvent wiping prior to application of Sika BlackSeal Elastic.

Sika BlackSeal Elastic
Concrete insitu wall / precast wall - cast in pipe penetration

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General Detail. Not to scale.

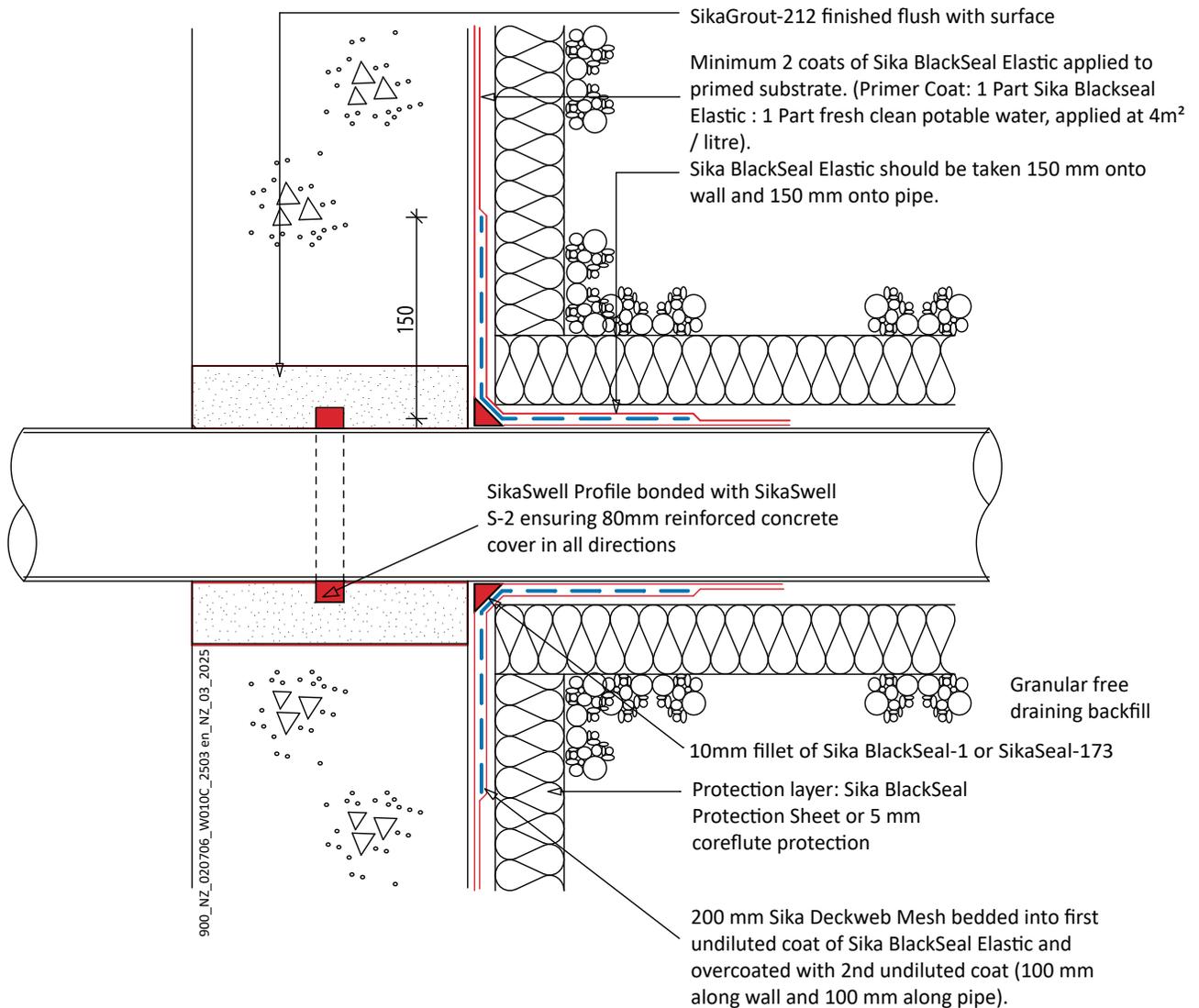
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Note:

Pipe penetration shall be watertight prior to the application of Sika BlackSeal Elastic.
Pipe shall be prepared by abrading and then solvent wiping prior to application of Sika BlackSeal Elastic.



For drainage and backfilling requirements, please refer to the Sika BlackSeal Elastic BRANZ Appraisal No. 770.

Sika BlackSeal Elastic
Concrete wall - boxed out pipe penetration

General Detail. Not to scale.

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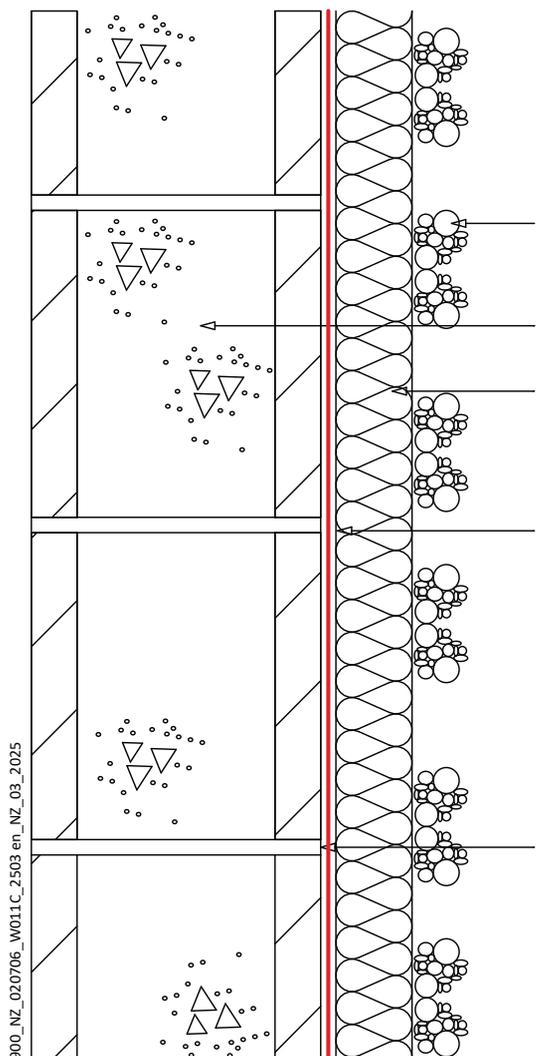
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- Granular free draining backfill
- Solid filled masonry block wall
- Protection layer: Sika BlackSeal Protection Sheet or 5 mm coreflute protection
- Minimum 2 coats of Sika BlackSeal Elastic applied to primed substrate. (Primer Coat: 1 Part Sika Blackseal Elastic : 1 Part fresh clean potable water, applied at 4m² / litre).

Note: Highly porous blocks and uneven masonry walls shall be bagged with Sika MonTop Fairing Coat or other appropriate cement based mortar. All block joints shall be flush pointed.

For drainage and backfilling requirements, please refer to the Sika BlackSeal Elastic BRANZ Appraisal No. 770.

Sika BlackSeal Elastic
Application to masonry wall

General Detail. Not to scale.

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All block joints shall be flush pointed

For drainage and backfilling requirements, please refer to the Sika BlackSeal Elastic BRANZ Appraisal No. 770.

Protection layer: Sika BlackSeal Protection Sheet or 5 mm coreflute protection.

Minimum 2 coats of Sika BlackSeal Elastic applied to primed substrate. (Primer Coat: 1 Part Sika Blackseal Elastic : 1 Part fresh clean potable water, applied at 4m² / litre).

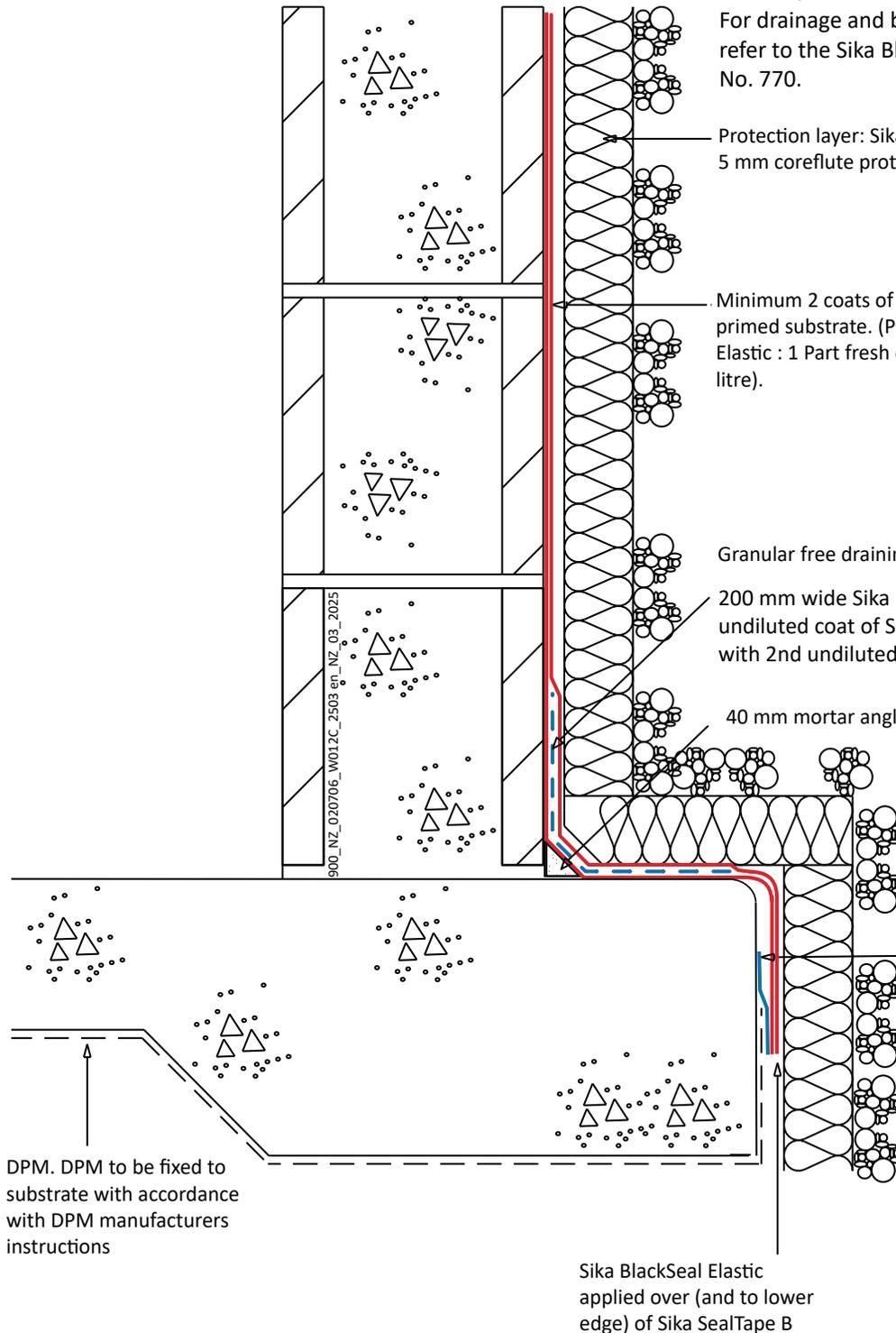
Granular free draining backfill

200 mm wide Sika Deckweb Mesh bedded into first undiluted coat of Sika BlackSeal Elastic and overcoated with 2nd undiluted coat.

40 mm mortar angle fillet

External corner rounded off to minimum 10 mm radius

100 mm wide Sika SealTape B applied 50 mm onto concrete and 50 mm onto DPM



DPM. DPM to be fixed to substrate with accordance with DPM manufacturers instructions

Sika BlackSeal Elastic applied over (and to lower edge) of Sika SealTape B

Sika BlackSeal Elastic Masonry wall - wall to toe footing

General Detail. Not to scale.

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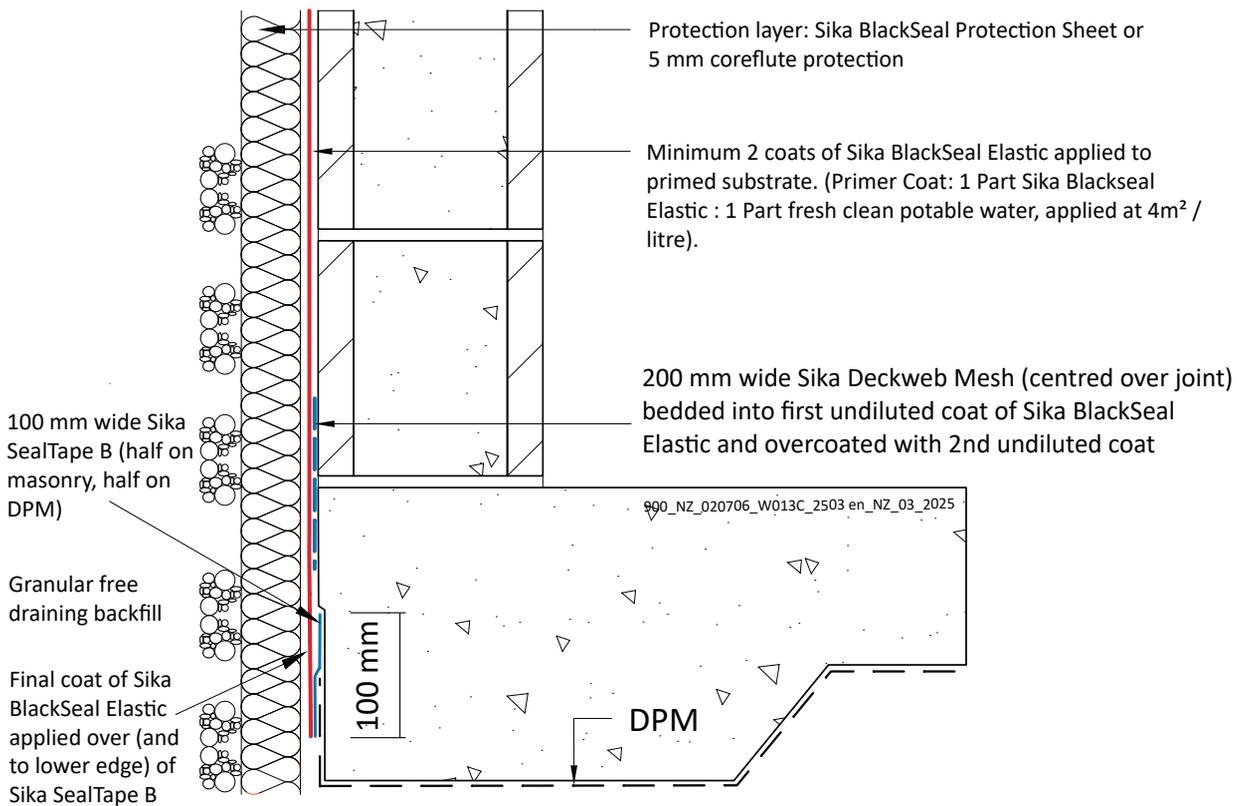
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Note: Highly porous blocks and uneven masonry walls shall be bagged with Sika MonoTop Fairing Coat or other appropriate cement based mortar. All block joints shall be flush pointed



DPM. DPM to be fixed to substrate with accordance with DPM manufacturers instructions

For drainage and backfilling requirements, please refer to the Sika BlackSeal Elastic BRANZ Appraisal No. 770.

Sika BlackSeal Elastic
Masonry wall - wall to footing

General Detail. Not to scale.

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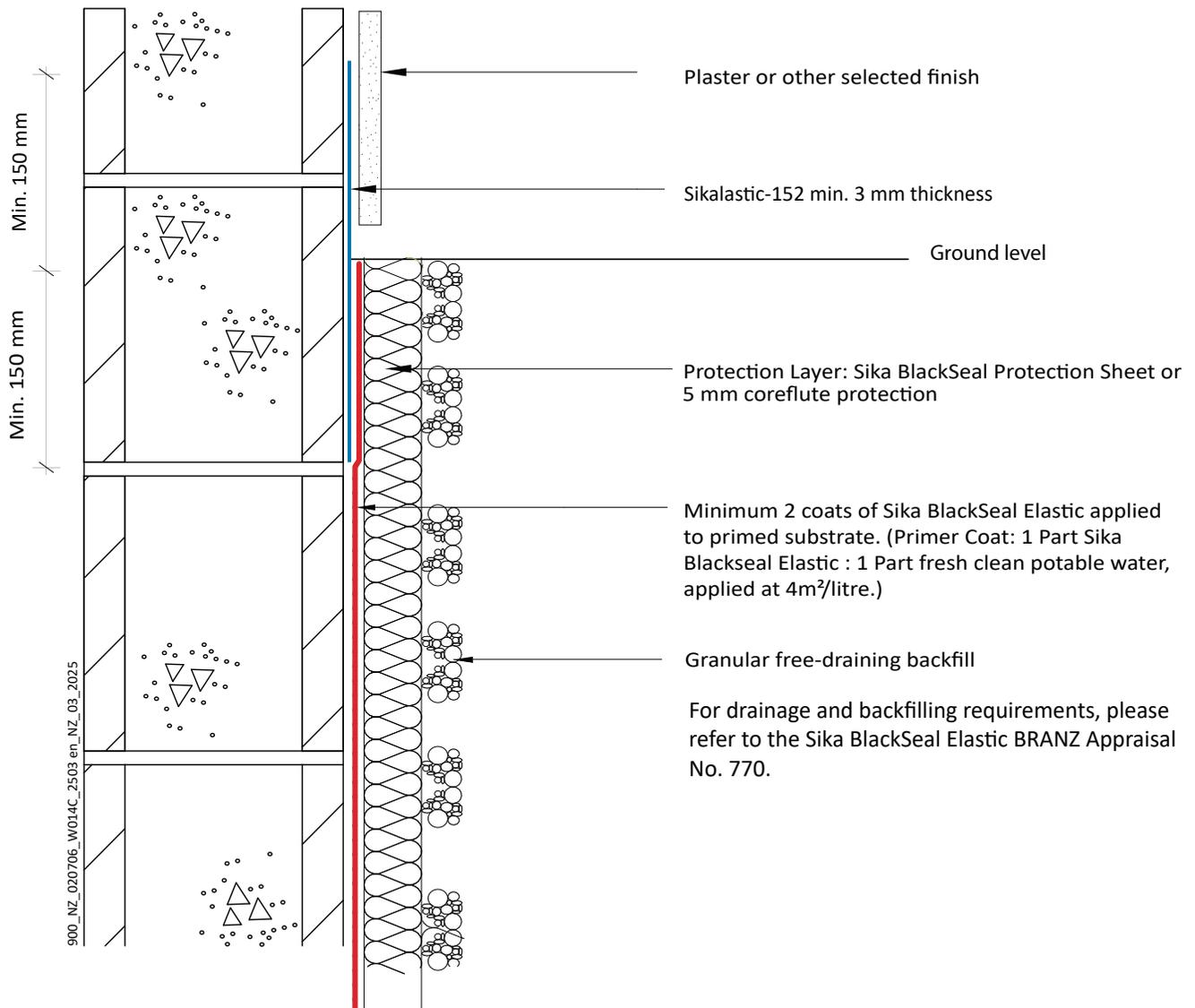
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Note:

Highly porous blocks and uneven masonry walls shall be bagged with Sika MonoTop Fairing Coat or other appropriate cement based mortar.
All block joints shall be flush pointed.



Sika BlackSeal Elastic
Masonry wall - ground level termination

General Detail. Not to scale.

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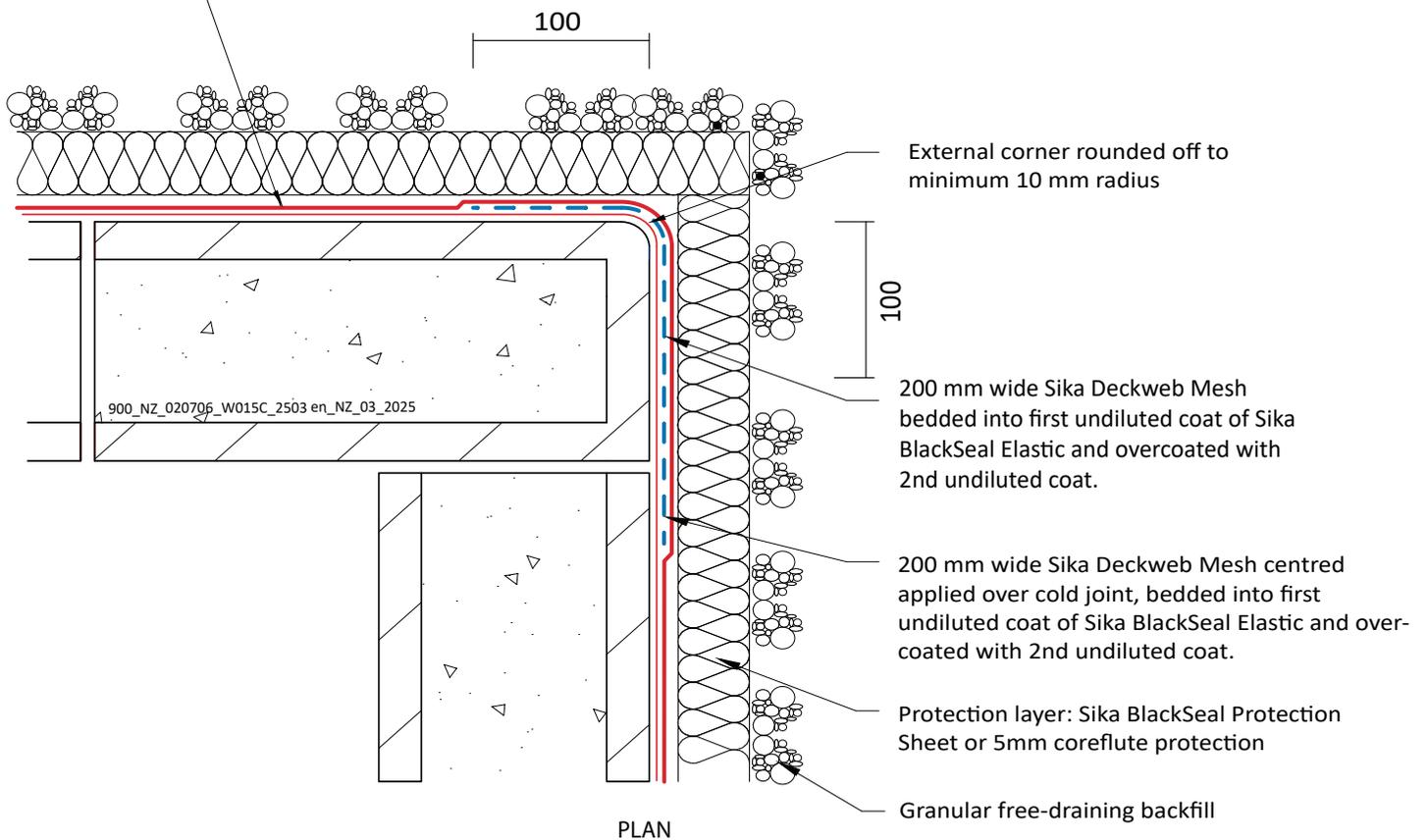


Note:

Highly porous blocks and uneven masonry walls shall be bagged with Sika MonoTop Fairing Coat or other appropriate cement based mortar.

All block joints shall be flush pointed.

Minimum 2 coats of Sika BlackSeal Elastic applied to primed substrate. (Primer Coat: 1 Part Sika Blackseal Elastic : 1 Part fresh clean potable water, applied at 4m²/litre.)



For drainage and backfilling requirements, please refer to the Sika BlackSeal Elastic BRANZ Appraisal No. 770.

Sika BlackSeal Elastic
Masonry wall - external corner

General Detail. Not to scale.

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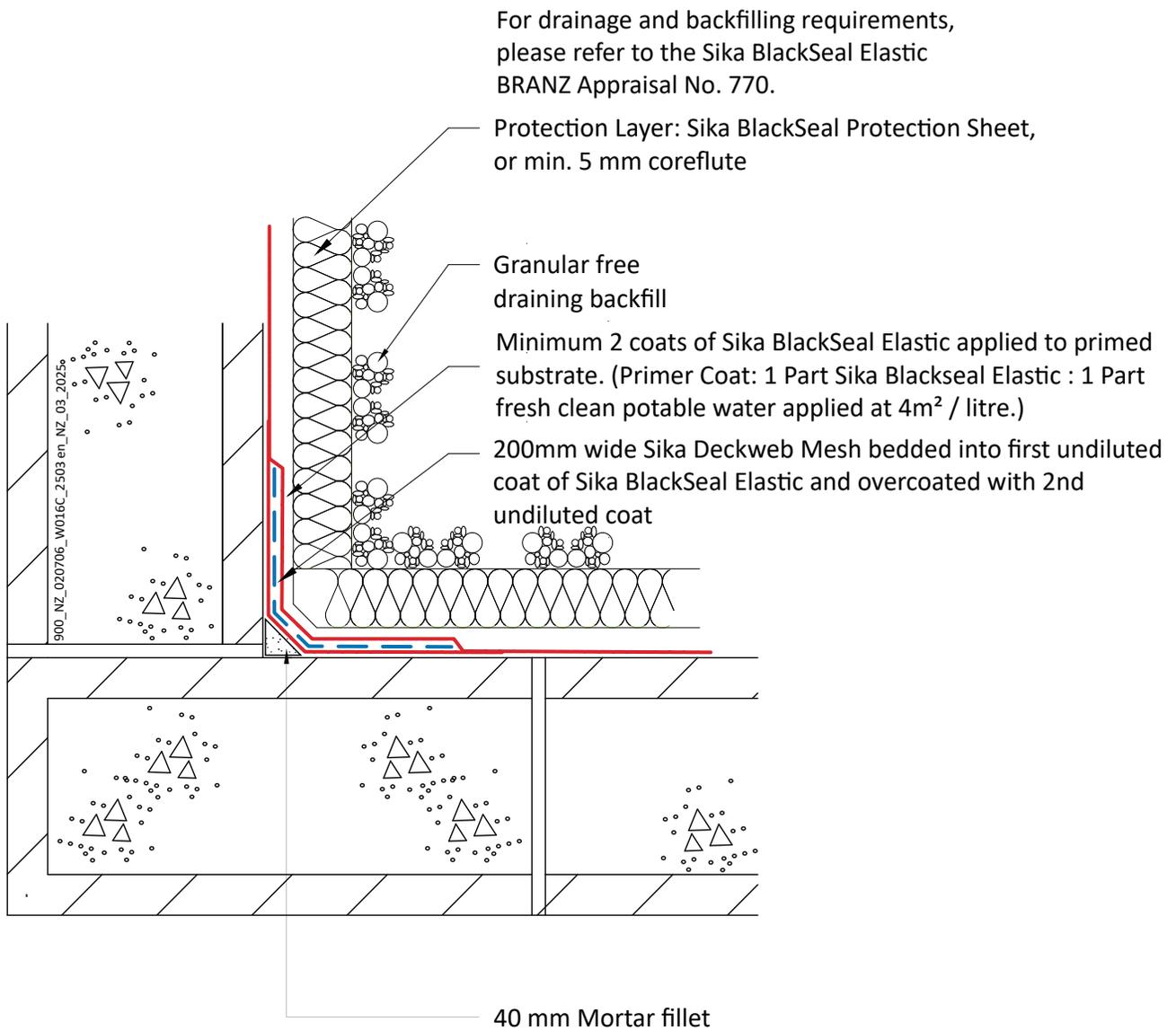
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Sika BlackSeal Elastic
Masonry wall - internal corner

General Detail. Not to scale.

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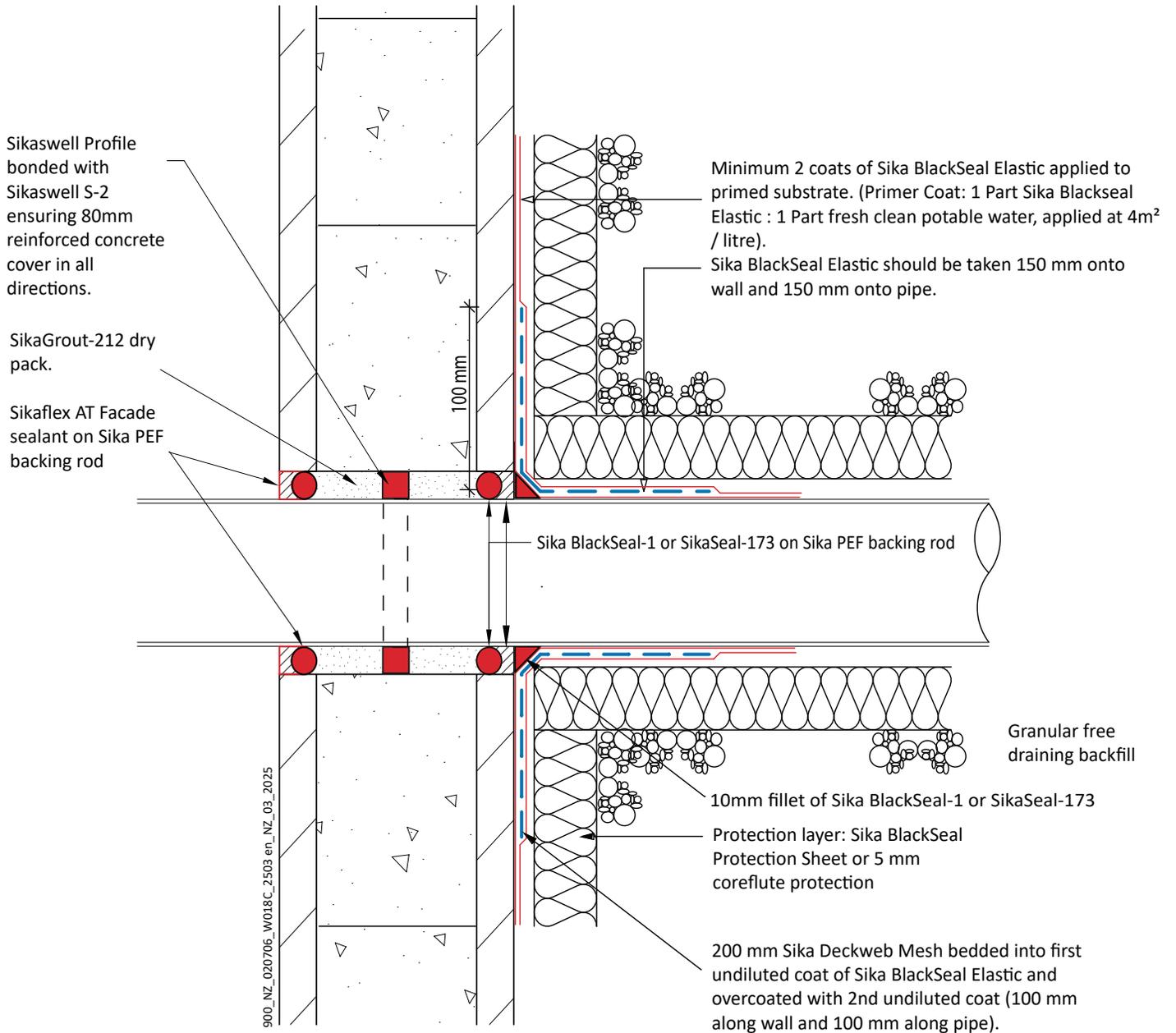


Note:

Pipe penetration shall be watertight prior to the application of Sika BlackSeal Elastic.
 Pipe shall be prepared by abrading and then solvent wiping prior to application of Sika BlackSeal Elastic.

Highly porous blocks and uneven masonry walls shall be bagged with Sika MonoTop Fairing Coat or other appropriate cement based mortar.

All block joints shall be flush pointed.



For drainage and backfilling requirements, please refer to the Sika BlackSeal Elastic BRANZ Appraisal No. 770.

Sika BlackSeal Elastic
 Masonry wall - pipe penetration

General Detail. Not to scale.

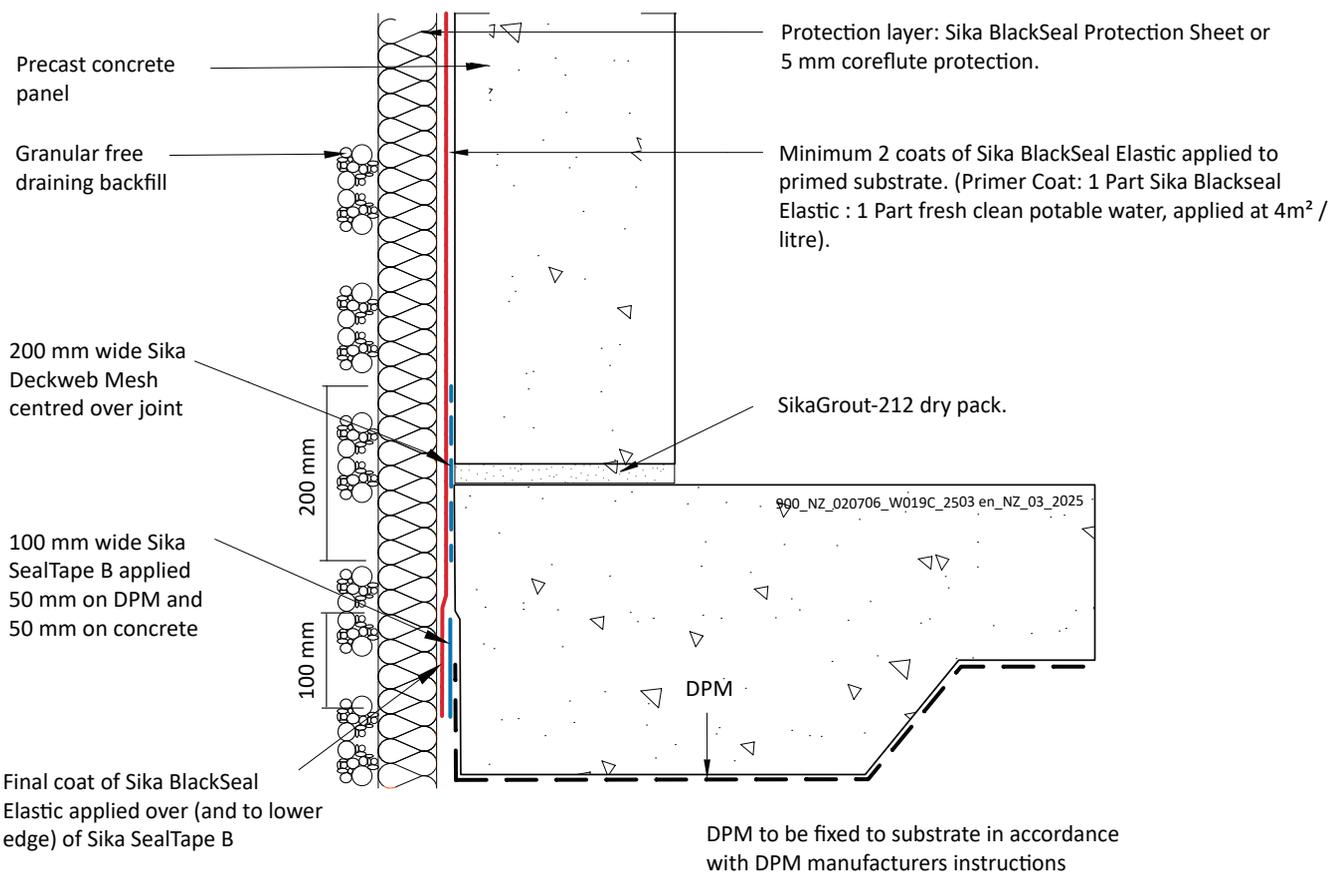
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For drainage and backfilling requirements, please refer to the Sika BlackSeal Elastic BRANZ Appraisal No. 770.

Sika BlackSeal Elastic

Precast concrete wall - wall to floor

General Detail. Not to scale.

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Protection layer: Sika BlackSeal Protection Sheet or 5 mm coreflute protection.

Granular free draining backfill

Minimum 2 coats of Sika BlackSeal Elastic applied to primed substrate. (Primer Coat: 1 Part Sika Blackseal Elastic : 1 Part fresh clean potable water, applied at 4m² / litre).

200 mm wide Sika Deckweb Mesh bedded into first undiluted coat of Sika BlackSeal Elastic and overcoated with 2nd undiluted coat.

External corner rounded off to minimum 10 mm radius

100 mm wide Sika SealTape B applied 50 mm on DPM and 50 mm on concrete

Final coat of Sika Black-Seal Elastic applied over (and to lower edge) of Sika SealTape B

DPM to be fixed to substrate in accordance with DPM manufacturers instructions

Precast concrete panel

Sikaswell Profile bonded with Sikaswell S-2 ensuring 80mm reinforced concrete cover in all directions

SikaGrout-212 dry pack

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For drainage and backfilling requirements, please refer to the Sika BlackSeal Elastic BRANZ Appraisal No. 770.

Sika BlackSeal Elastic

Precast concrete wall - on continuous footing

General Detail. Not to scale.

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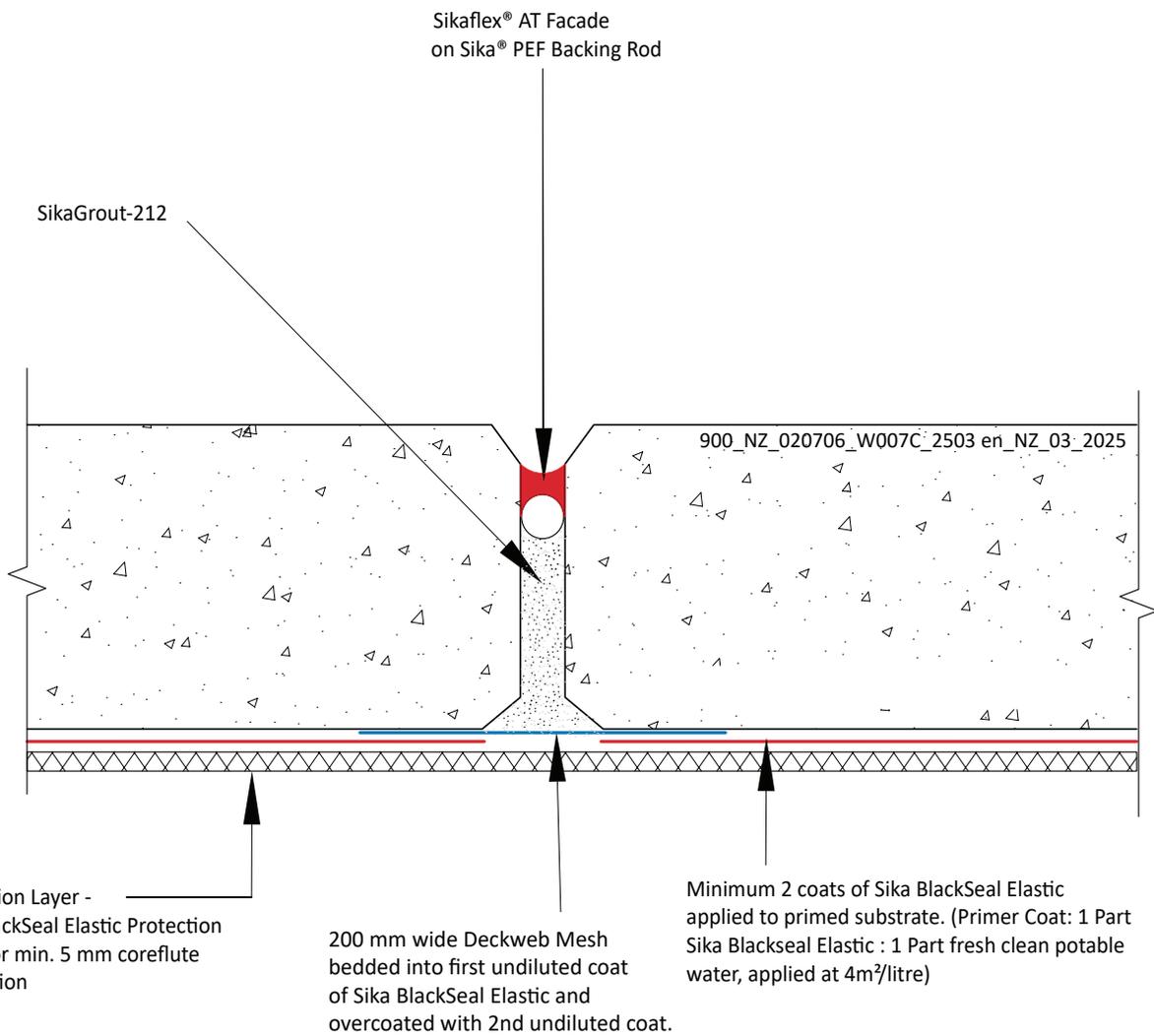
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For drainage and backfilling requirements, please refer to the Sika BlackSeal Elastic BRANZ Appraisal No. 770.

PLAN

Sika BlackSeal Elastic Precast concrete walls - sealant joint

General Detail. Not to scale.

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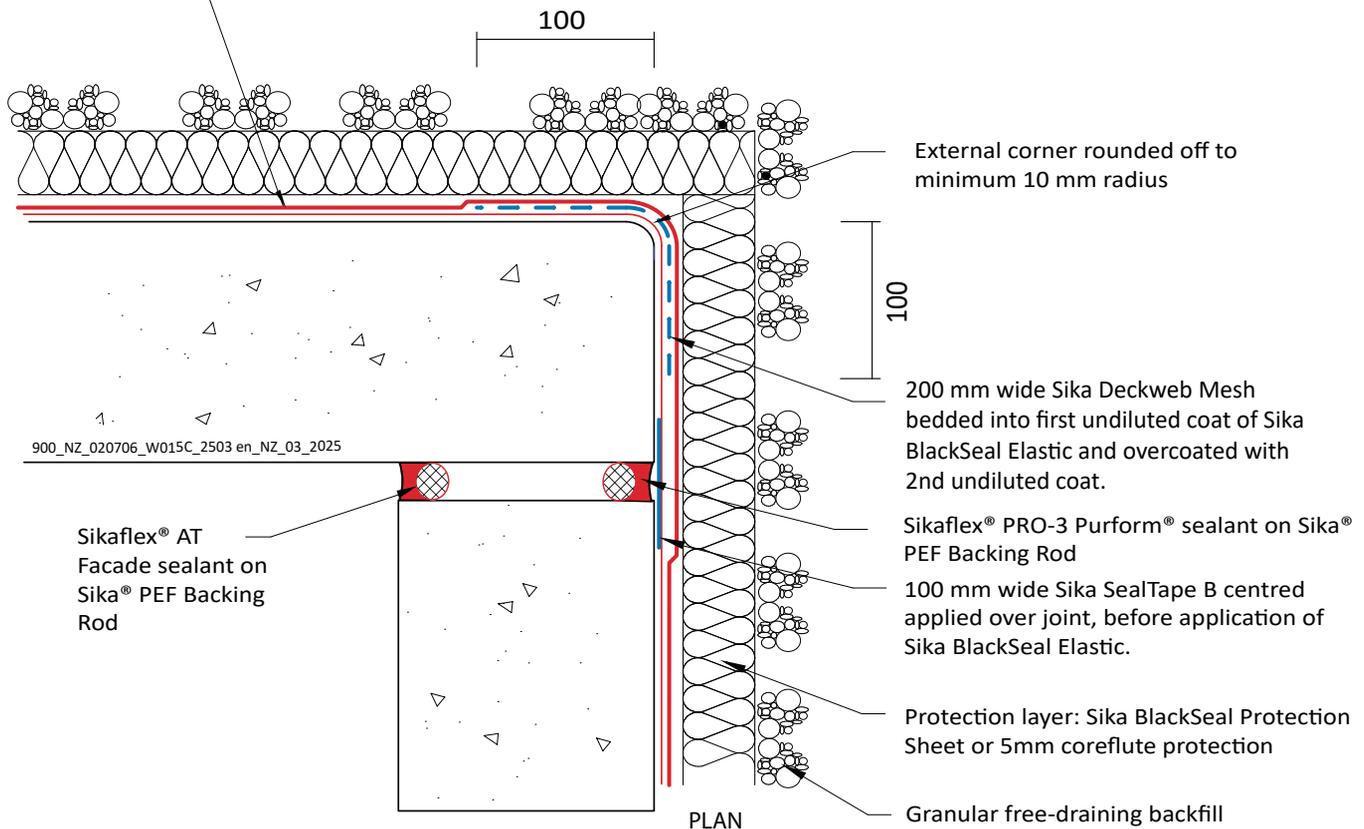
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Minimum 2 coats of Sika BlackSeal Elastic applied to primed substrate. (Primer Coat: 1 Part Sika Blackseal Elastic : 1 Part fresh clean potable water, applied at 4m²/litre.)



For drainage and backfilling requirements, please refer to the Sika BlackSeal Elastic BRANZ Appraisal No. 770.

Sika BlackSeal Elastic
Precast concrete wall - external corner

900_NZ_020706_W021C_2511 en_NZ_11_2025
November 2025

General Detail. Not to scale.

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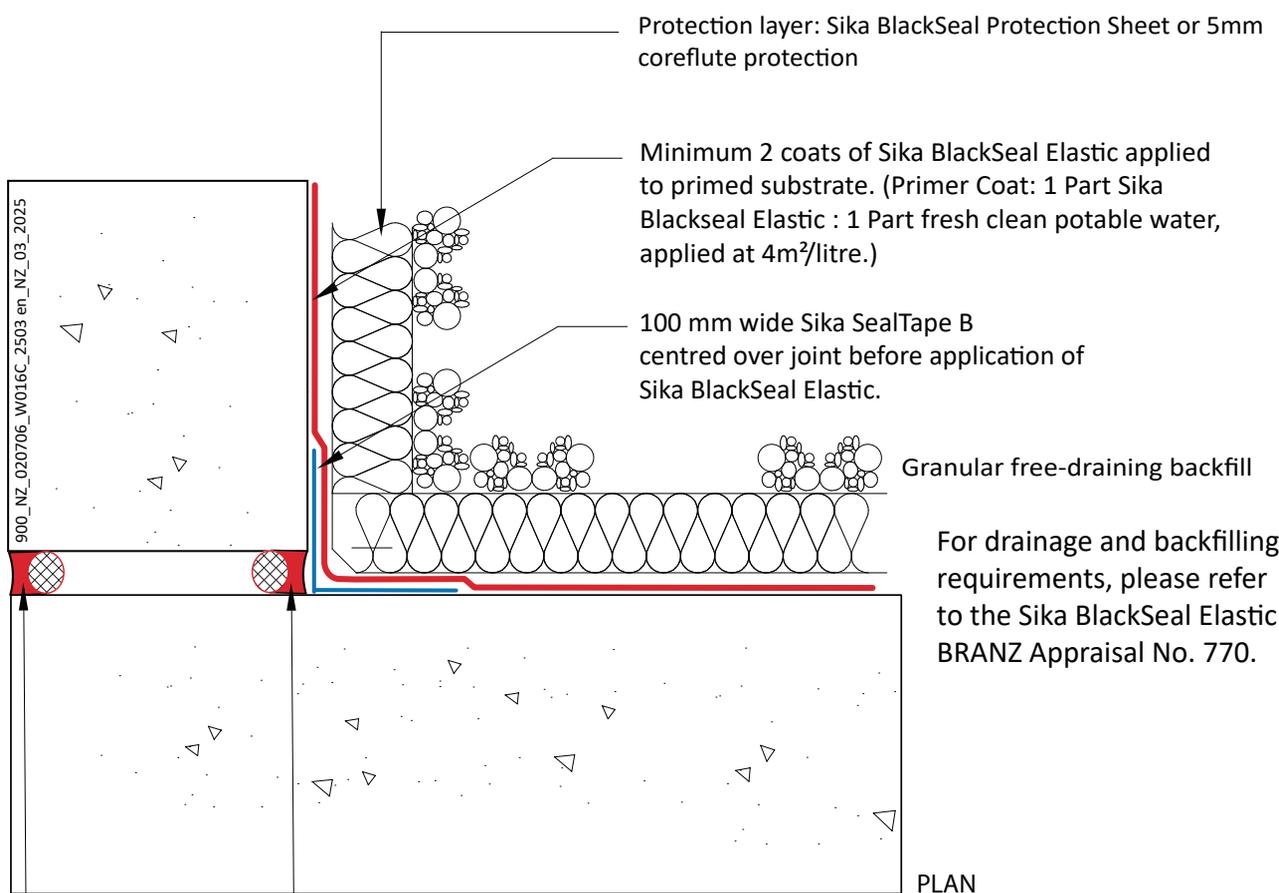
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Sikaflex® AT Facade sealant on Sika® PEF Backing Rod

Sikaflex® PRO-3 Purform® sealant on Sika® PEF Backing Rod

Sika BlackSeal Elastic

Precast concrete wall - internal corner

General Detail. Not to scale.

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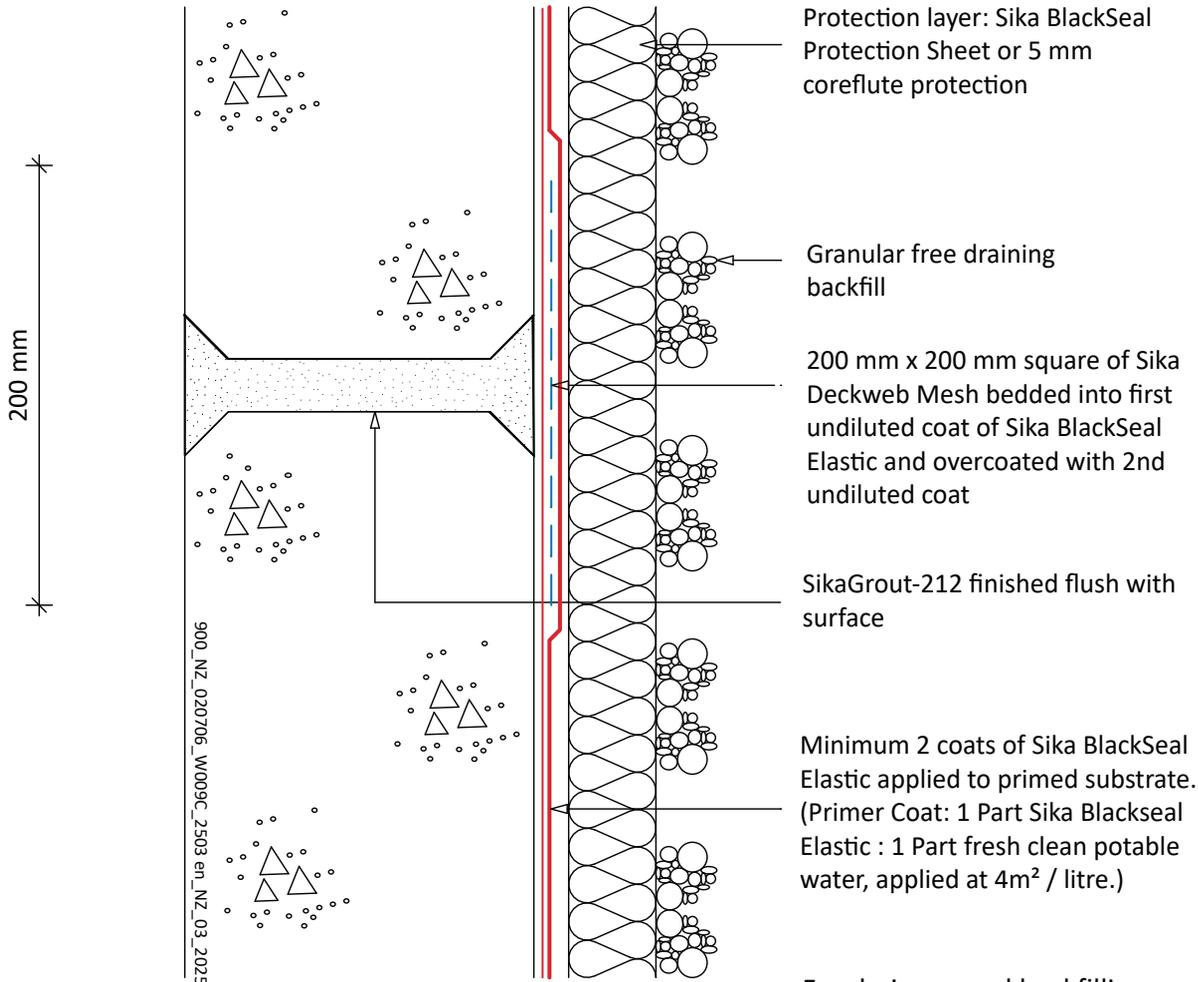
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For drainage and backfilling requirements, please refer to the Sika BlackSeal Elastic BRANZ Appraisal No. 770.

Sika BlackSeal Elastic
Precast concrete wall - Tie Bolt Hole

General Detail. Not to scale.

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FOR MORE Sika BlackSeal® Elastic INFORMATION:



WHO WE ARE

Sika AG, Switzerland, is a globally active speciality chemicals company. Sika supplies the building and construction industry as well as manufacturing industries (automotive, bus, truck, rail, solar and wind power plants, façades). Sika is a leader in processing materials used in sealing, bonding, damping, reinforcing and protecting loadbearing structures. Sika's product lines feature high quality concrete admixtures, specialty mortars, sealants and adhesives, damping and reinforcing materials, structural strengthening systems, industrial flooring as well as roofing and waterproofing systems.

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