

# StoTherm<sup>®</sup> ci over Concrete Masonry

Detail Booklet  
Series 52c.xx | October 2022

Facades



Exterior Wall  
Insulation Systems

Combining innovative design and high-level performance, StoTherm<sup>®</sup>ci over Concrete Masonry offers a unique approach to wall system design. A highly efficient and cost-effective solution to bolster an architect's aesthetic vision StoTherm<sup>®</sup>ci over Concrete Masonry wall system provides world class performance through the integration of continuous insulation (ci), innovative water-resistant barrier technology, drainage and a variety of architectural surface options. They are easy to install and can be used in almost any commercial setting.





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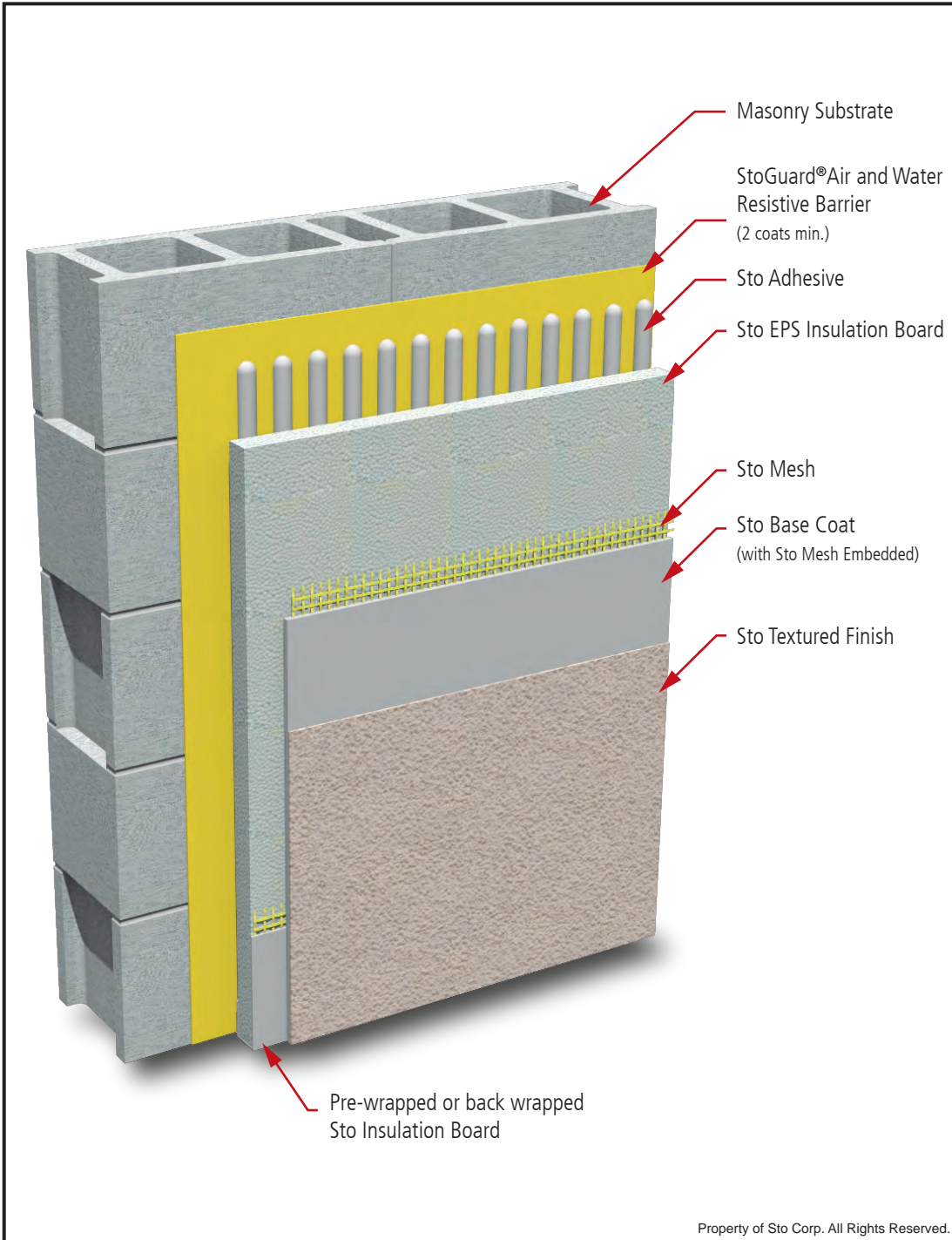
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# StoTherm® ci over Concrete Masonry System Components

Detail No.: 52c.00  
Date: October 2022



### Notes:

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2. Components not identified as Sto are furnished by other manufacturers and are not necessarily installed by trades who install the Sto products. Refer to project specific contract documents.

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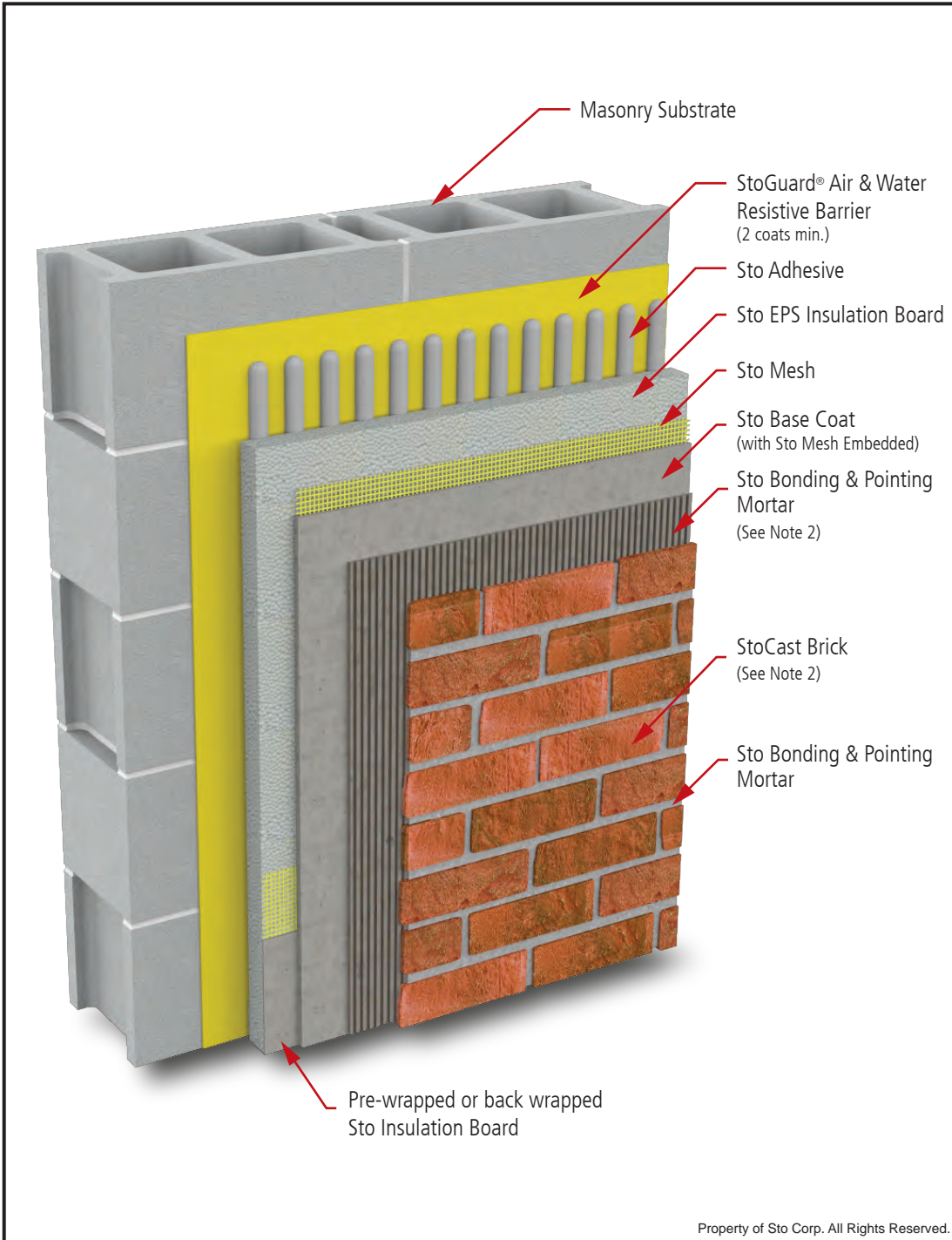
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# StoTherm® ci over Concrete Masonry with StoCast Brick

Detail No.: 52c.00 SCB  
Date: October 2022



### Notes:

1. Refer to applicable Sto guide specifications, product bulletins, Tech Hotlines, and other Sto guide details for additional information.
2. Refer to the StoCast Brick Application Guide for more information.
3. Components not identified as Sto are furnished by other manufacturers and are not necessarily installed by trades who install the Sto products. Refer to project specific contract documents.

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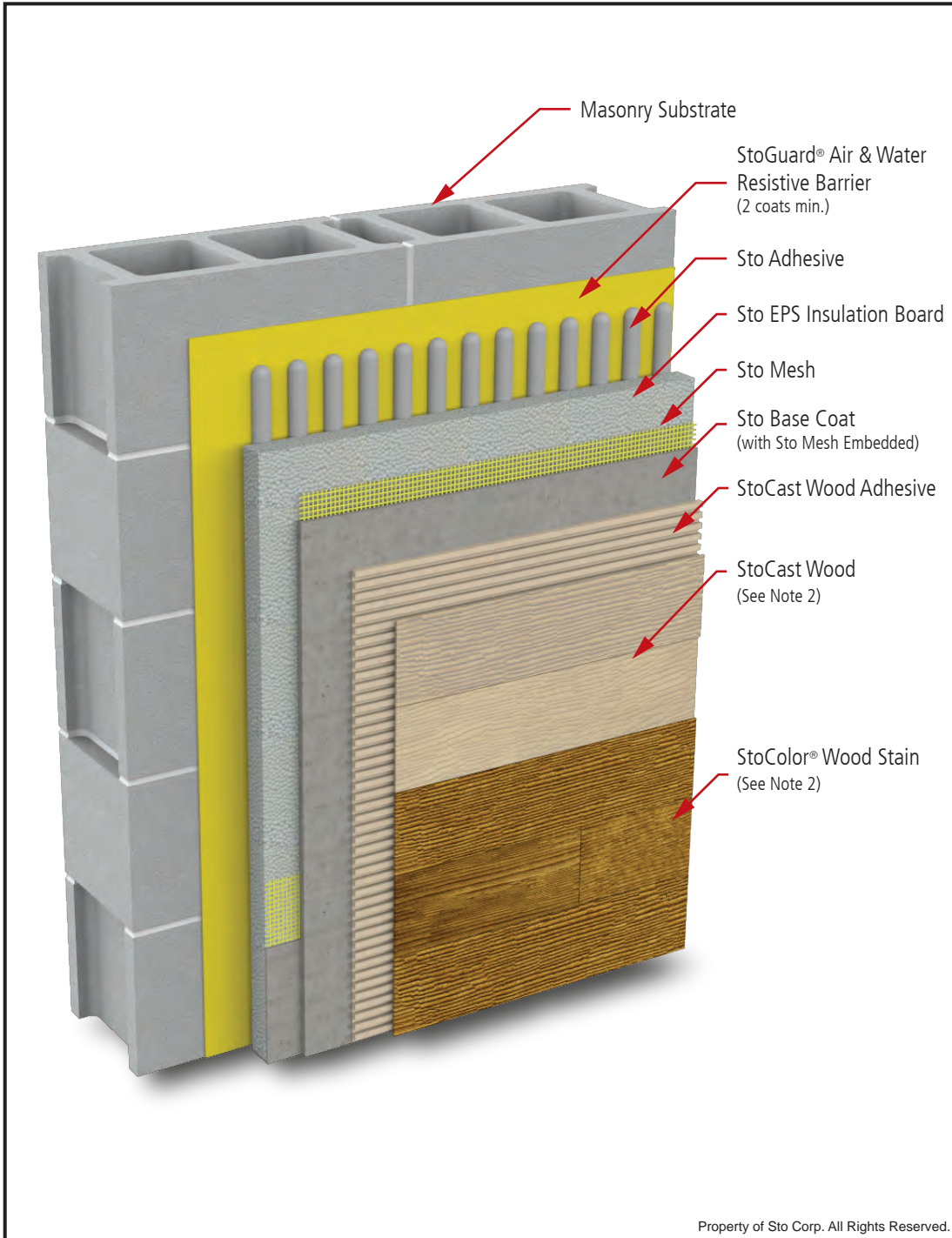
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# StoTherm® ci over Concrete Masonry with StoCast Wood

Detail No.: 52c.00 SCW  
Date: October 2022



## Notes:

1. Refer to applicable Sto guide specifications, product bulletins, Tech Hotlines, and other Sto guide details for additional information.
2. Refer to the StoCast Wood Application Guide for more information.
3. Components not identified as Sto are furnished by other manufacturers and are not necessarily installed by trades who install the Sto products. Refer to project specific contract documents.

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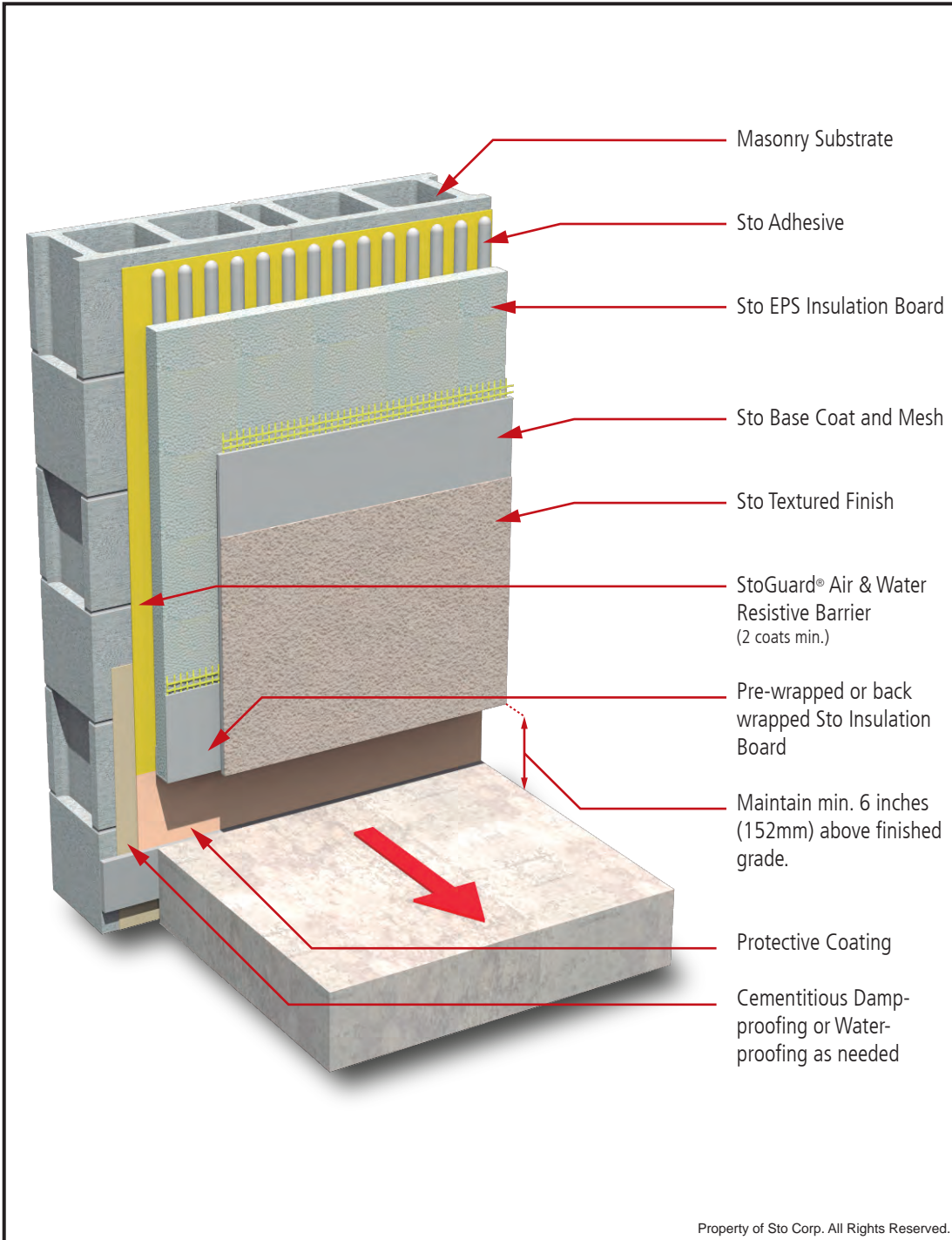
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# StoTherm® ci over Concrete Masonry Termination at Grade

Detail No.: 52c.01a  
Date: October 2022



### Notes:

1. Refer to applicable Sto guide specifications, product bulletins, Tech Hotlines, and other Sto guide details for additional information.
2. Provide minimum 6 inches (152mm) clearance between StoTherm® ci termination and finished grade. Increase distance above grade for snow regions.
3. Provide cementitious damp proofing or waterproofing as needed below grade and on exposed masonry above grade. Counter flash StoTherm® ci over damp-proofing/waterproofing. Where StoTherm® ci is installed over non-cementitious dampproofing/ waterproofing verify compatibility of StoTherm® ci components.
4. Provide adequate slope of finished grade away from structure for drainage.
5. Components not identified as Sto are furnished by other manufacturers and are not necessarily installed by trades who install the Sto products. Refer to project specific contract documents.

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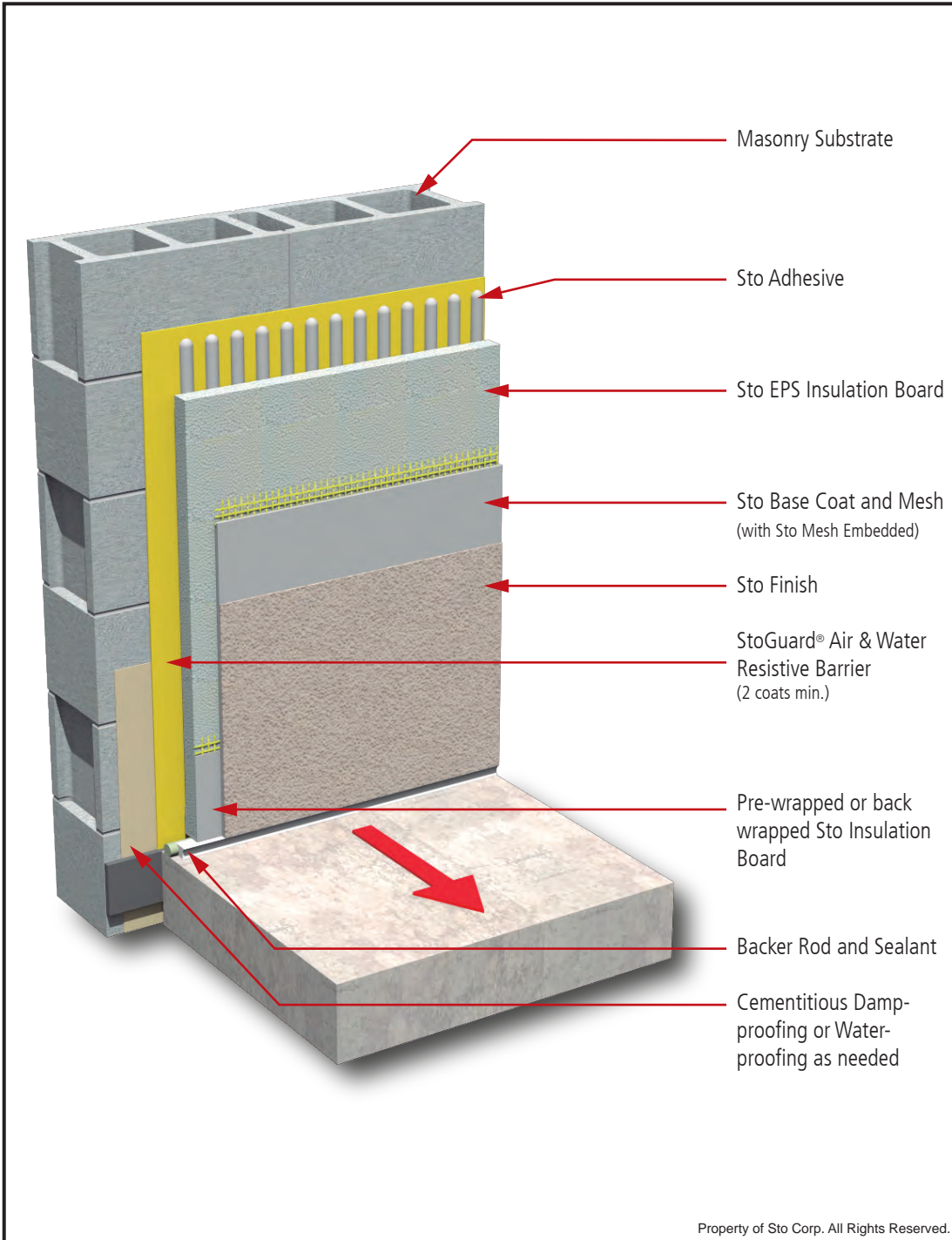
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# StoTherm® ci over Concrete Masonry Termination at Sidewalk with Expansion Joint

Detail No.: 52c.01b  
Date: October 2022



## Notes:

1. Refer to applicable Sto guide specifications, product bulletins, Tech Hotlines, and other Sto guide details for additional information.
2. Provide cementitious damp proofing or waterproofing as needed below grade and on exposed masonry above grade. Counter flash StoTherm® ci over damp-proofing/waterproofing. Where StoTherm® ci is installed over non-cementitious dampproofing/ waterproofing verify compatibility of StoTherm® ci components.
3. Provide adequate slope of finished grade away from structure for drainage.
4. Components not identified as Sto are furnished by other manufacturers and are not necessarily installed by trades who install the Sto products. Refer to project specific contract documents.

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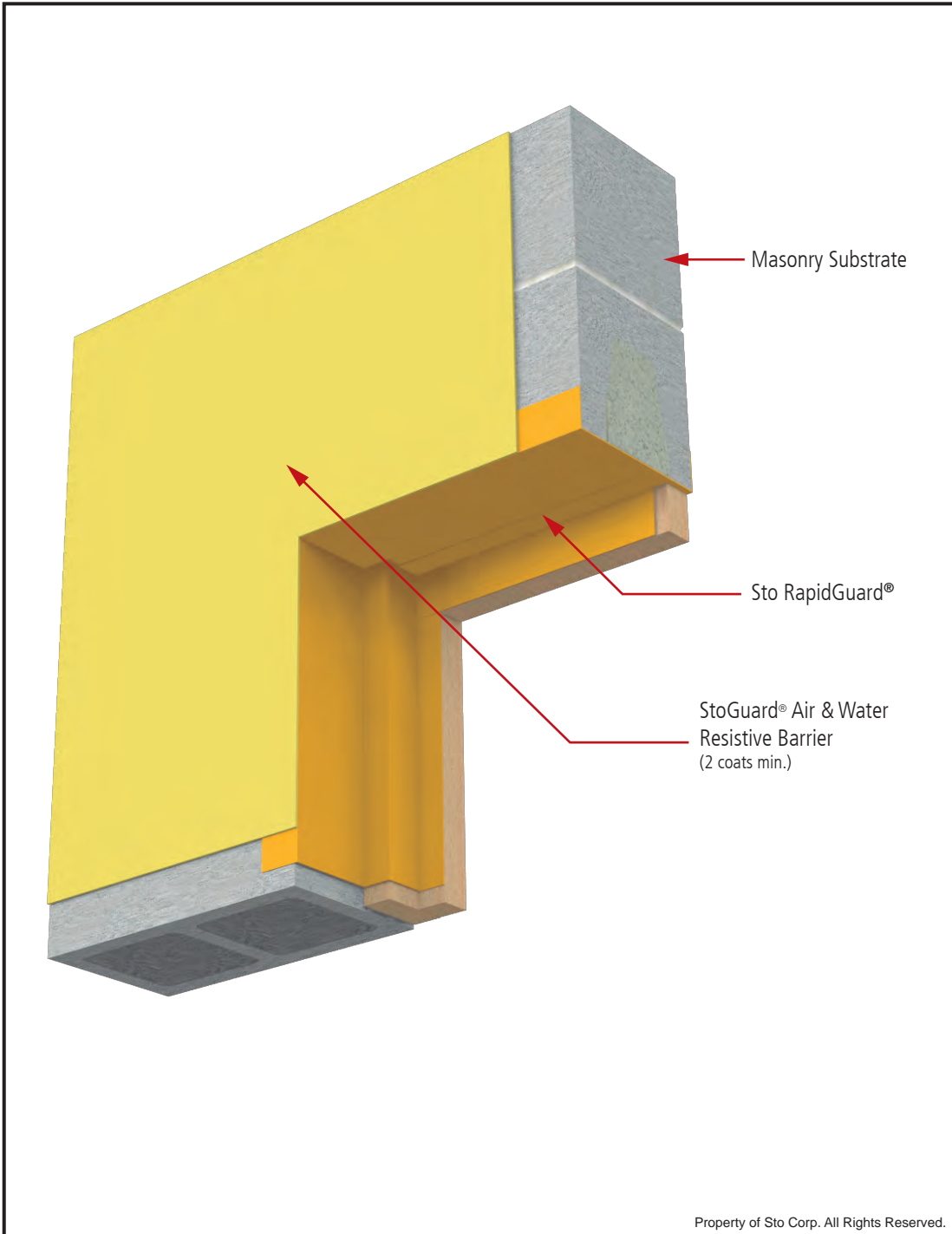
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# StoTherm® ci over Concrete Masonry

## Window Head/Jamb: Rough Opening Protection

Detail No.: 52c.24a1  
Date: October 2022



### Notes:

1. Refer to applicable Sto guide specifications, product bulletins, Tech Hotlines, and other Sto guide details for additional information.
2. Protect masonry with Sto RapidGuard. Fold up minimum 2 inches (51mm) at head and at ends onto face of masonry.
3. Components not identified as Sto are furnished by other manufacturers and are not necessarily installed by trades who install the Sto products. Refer to project specific contract documents.

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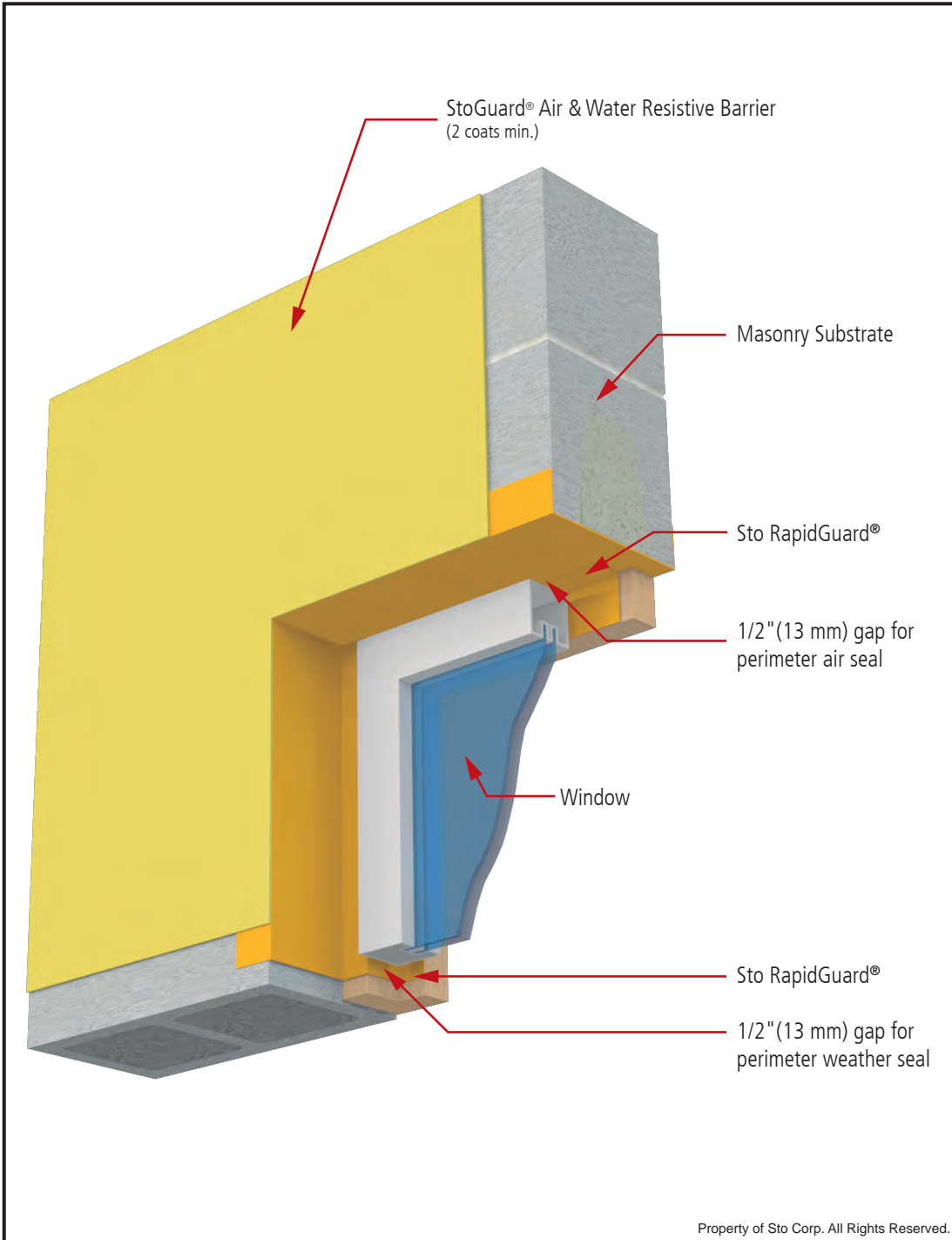




# StoTherm® ci over Concrete Masonry

## Window Head/Jamb: Window Installed

Detail No.: 52c.24a2  
Date: October 2022



### Notes:

1. Refer to applicable Sto guide specifications, product bulletins, Tech Hotlines, and other Sto guide details for additional information.
2. Provide gap for continuous exterior perimeter weather seal.
3. Provide gap for continuous interior perimeter air seal.
4. Consult with window and sealant manufacturers to verify installation detailing.
5. Components not identified as Sto are furnished by other manufacturers and are not necessarily installed by trades who install the Sto products. Refer to project specific contract documents.

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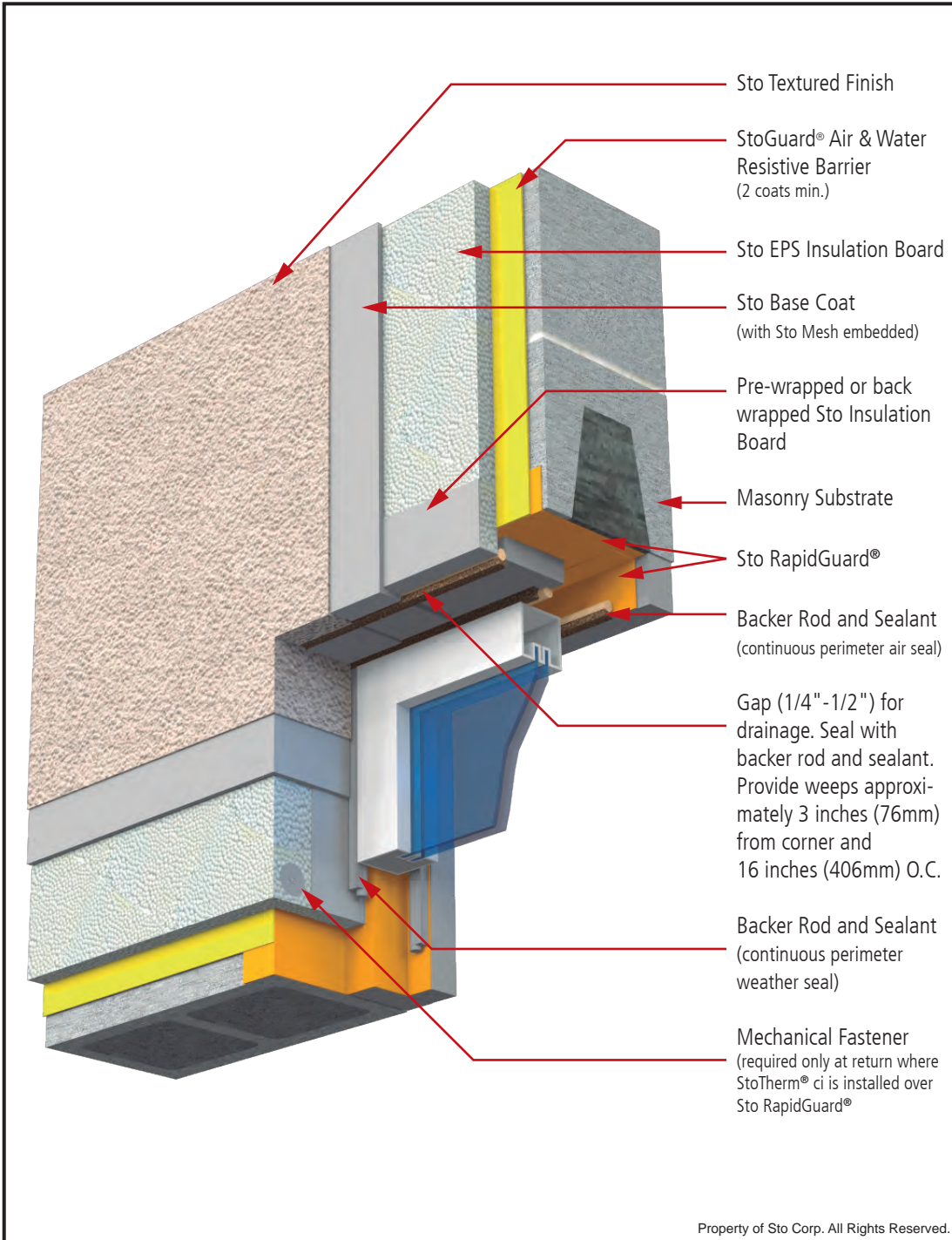
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# StoTherm® ci over Concrete Masonry

## Window Head/Jamb: StoTherm® ci Return and Perimeter Seals

Detail No.: 52c.24a3  
Date: October 2022



### Notes:

1. Refer to applicable Sto guide specifications, product bulletins, Tech Hotlines, and other Sto guide details for additional information.
2. Provide gap for continuous exterior perimeter weather seal.
3. Provide gap for continuous interior perimeter air seal.
4. Consult with window and sealant manufacturers to verify installation detailing.
5. Components not identified as Sto are furnished by other manufacturers and are not necessarily installed by trades who install the Sto products. Refer to project specific contract documents.

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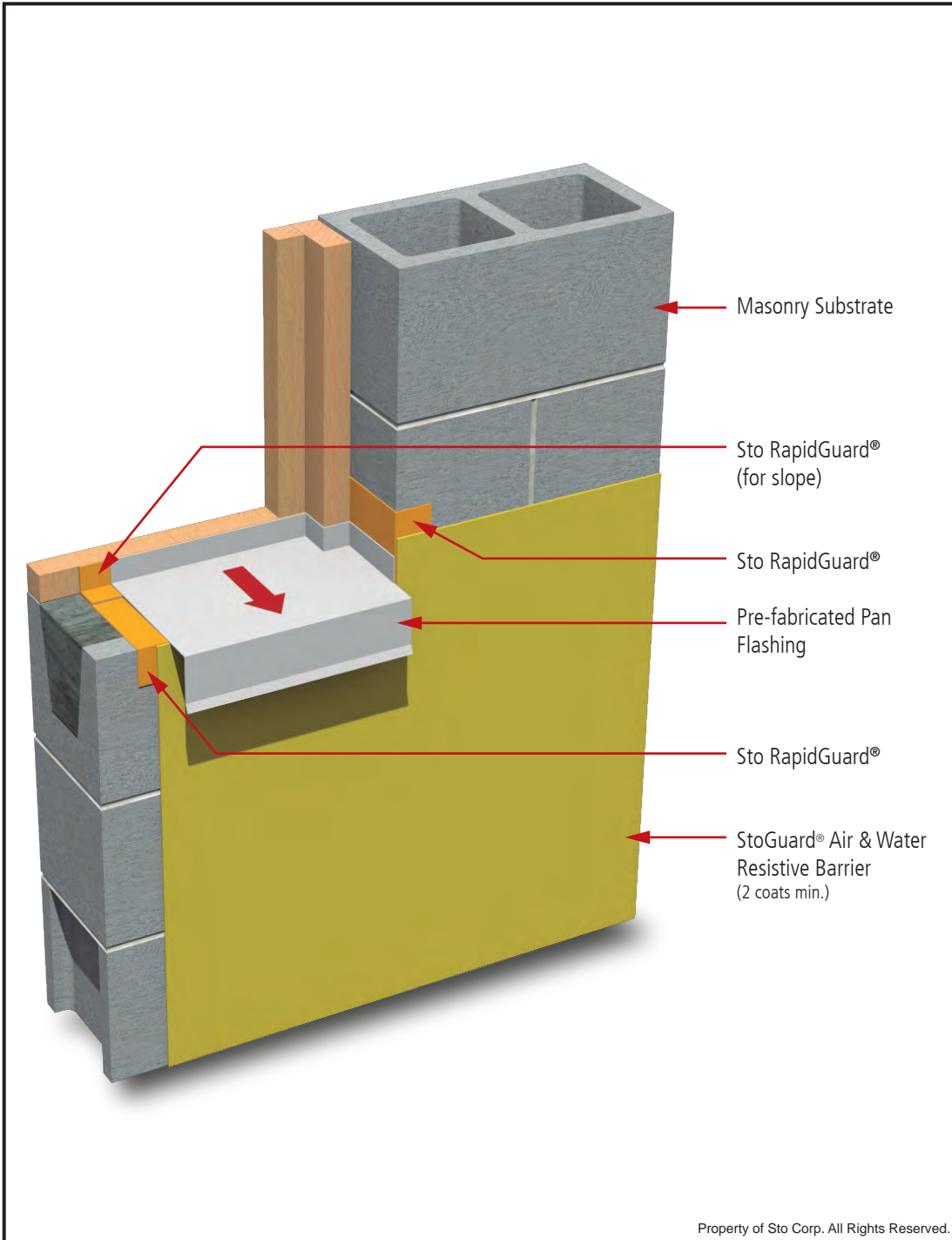
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# StoTherm® ci over Concrete Masonry

## Window Sill: Rough Opening Protection and Pan Flashing at Sill

Detail No.: 52c.26a1  
Date: October 2022



### Notes:

1. Refer to applicable Sto guide specifications, product bulletins, Tech Hotlines, and other Sto guide details for additional information.
2. Protect masonry sill with Sto RapidGuard®. Fold up minimum 4 inches (102mm) at jamb. Fold down 2 inches (51mm) at sill and at ends onto face of masonry.
3. Install Sto RapidGuard® strip at back of opening to create slope and fold up nailer.
4. Secure pre-fabricated pan flashing by others into place.
5. Provide pan flashing with thermal break in cold climate zones.
6. Components not identified as Sto are furnished by other manufacturers and are not necessarily installed by trades who install the Sto products. Refer to project specific contract documents.

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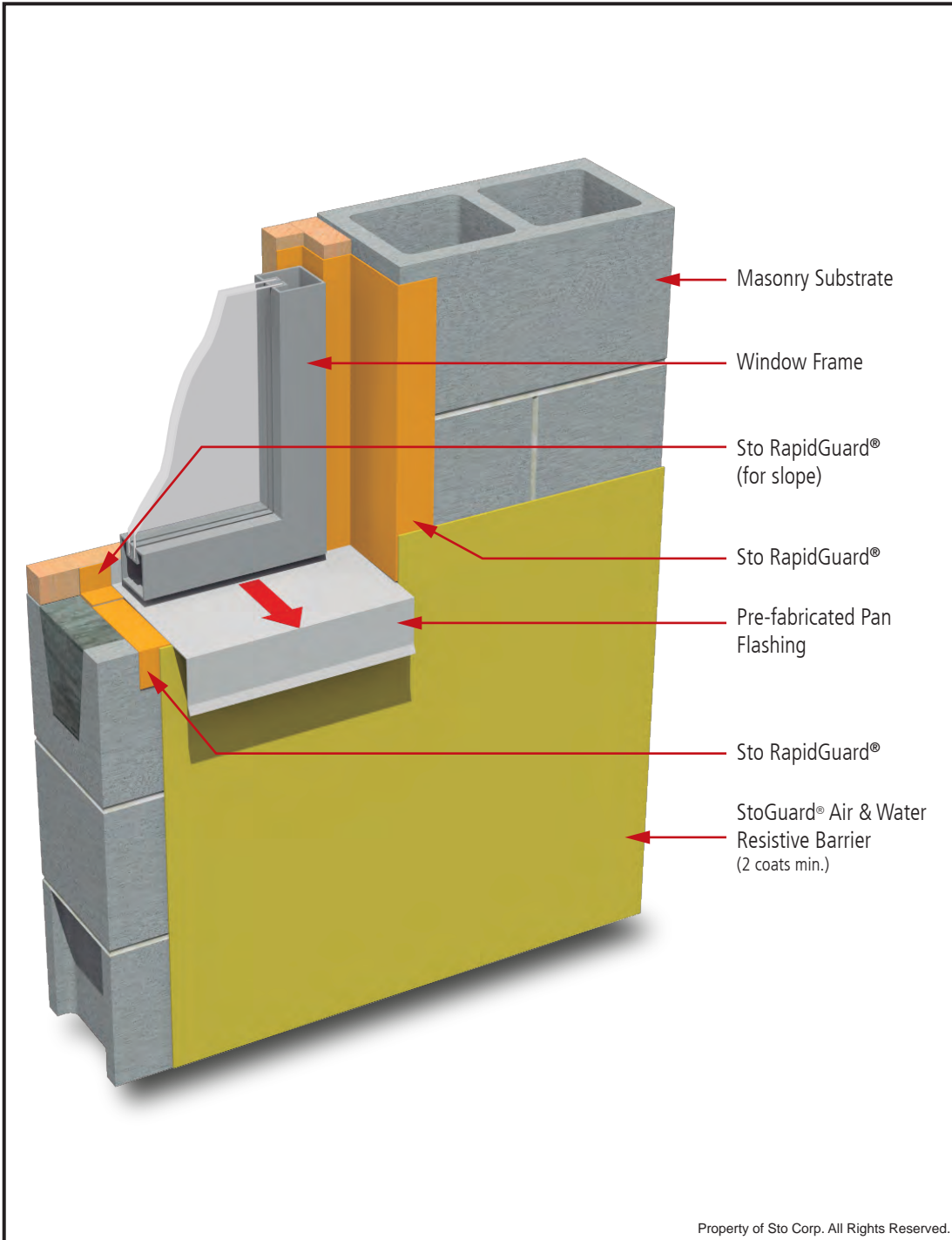
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# StoTherm® ci over Concrete Masonry Window Sill/Jamb: Rough Opening Protection and Pan Flashing with Window Installed

Detail No.: 52c.26a2  
Date: October 2022



### Notes:

1. Refer to applicable Sto guide specifications, product bulletins, Tech Hotlines, and other Sto guide details for additional information.
2. Provide gap for continuous exterior perimeter weather seal.
3. Provide gap for continuous interior perimeter air seal.
4. Consult with window and sealant manufacturers to verify installation detailing.
5. Components not identified as Sto are furnished by other manufacturers and are not necessarily installed by trades who install the Sto products. Refer to project specific contract documents.

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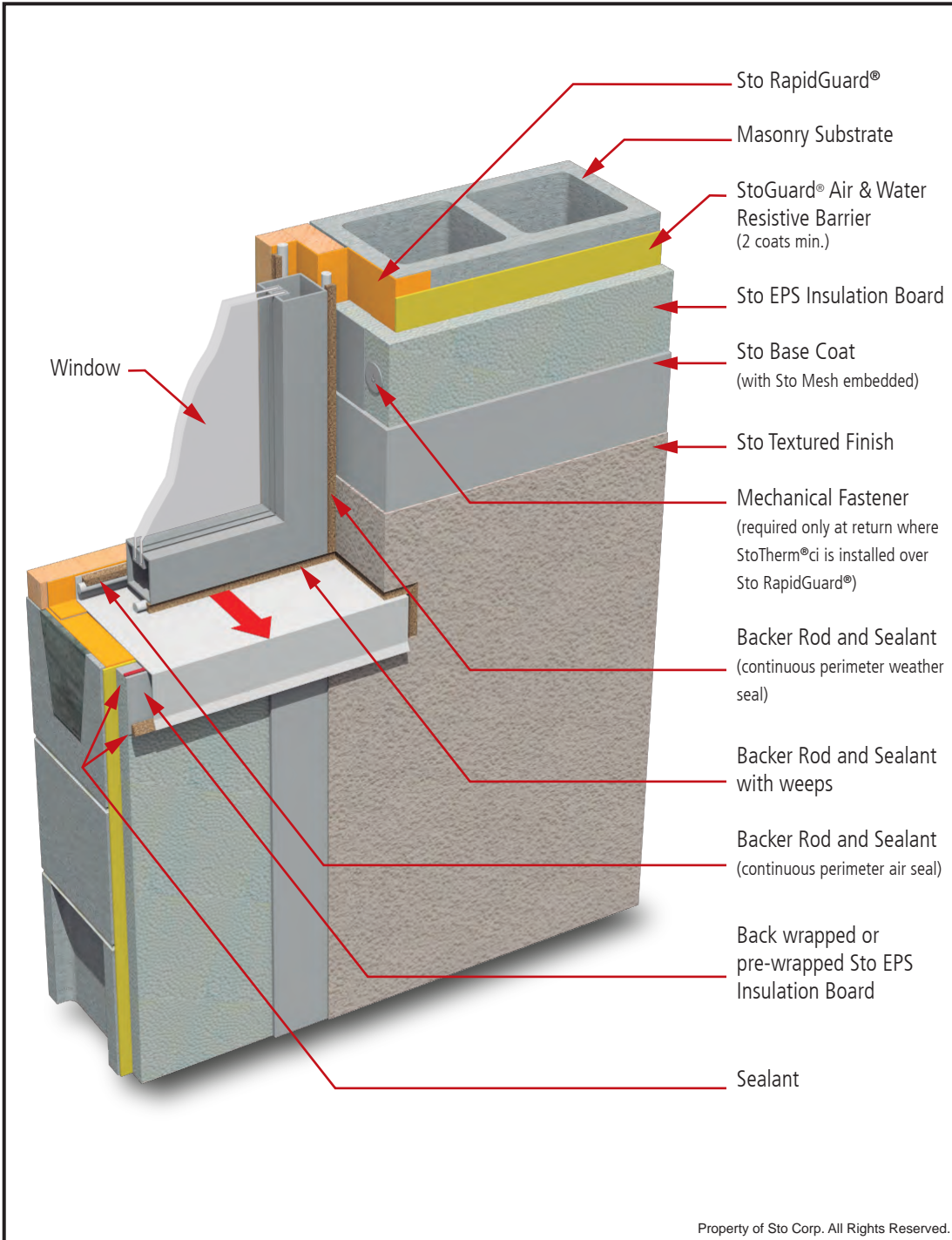
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# StoTherm® ci over Concrete Masonry Window Sill/Jamb: Window Installed with StoTherm® ci Return and Perimeter Seals

Detail No.: 52c.26a3  
Date: October 2022



## Notes:

1. Refer to applicable Sto guide specifications, product bulletins, Tech Hotlines, and other Sto guide details for additional information.
2. Provide gap for continuous exterior perimeter weather seal.
3. Provide gap for continuous interior perimeter air seal.
4. Consult with window and sealant manufacturers to verify installation detailing.
5. Components not identified as Sto are furnished by other manufacturers and are not necessarily installed by trades who install the Sto products. Refer to project specific contract documents.

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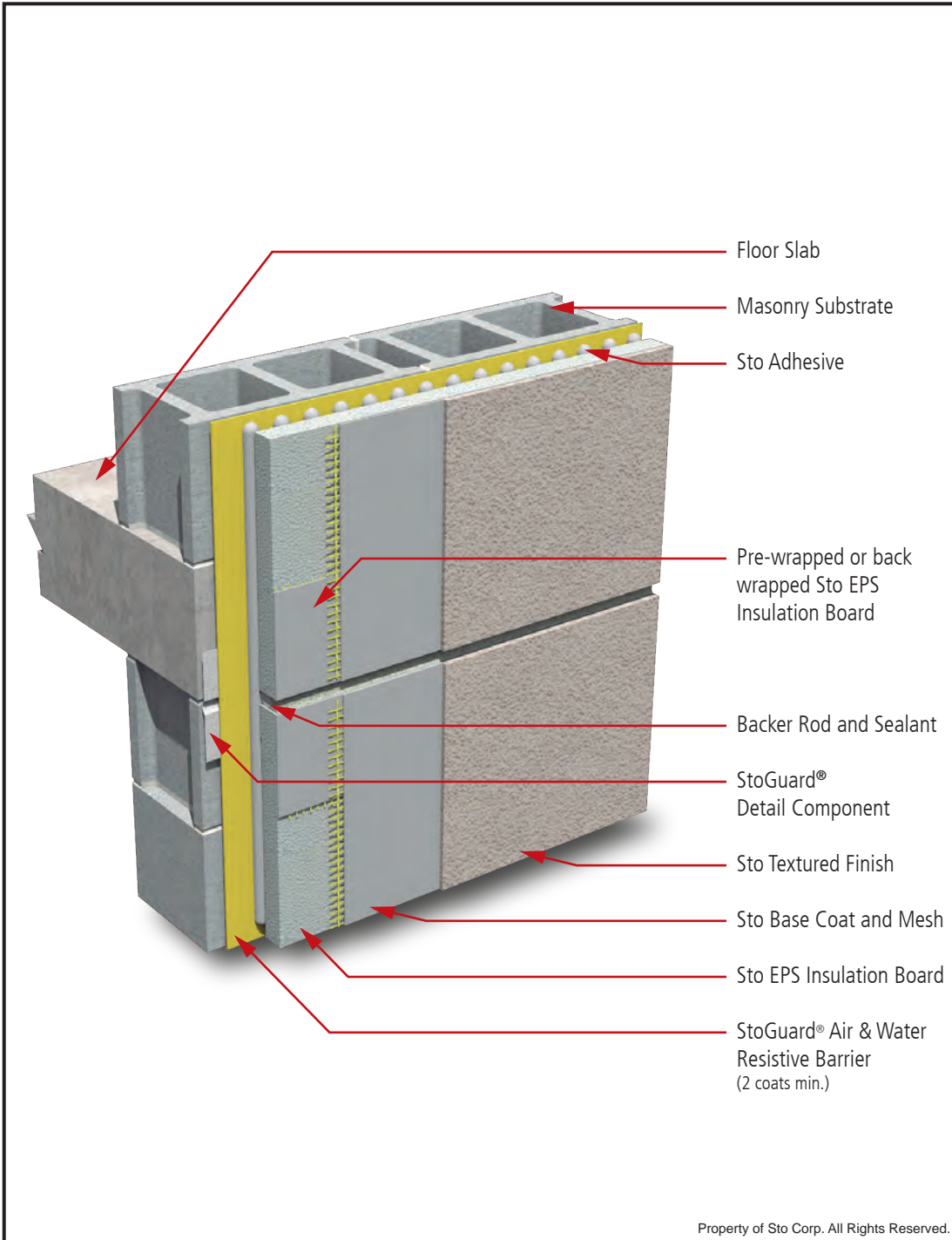
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# StoTherm® ci over Concrete Masonry Floor Line with Joint

Detail No.: 52c.41  
Date: October 2022



### Notes:

1. Refer to applicable Sto guide specifications, product bulletins, Tech Hotlines, and other Sto guide details for additional information.
2. Provide joint at floor line to coincide with line where masonry adjoins under side of concrete floor slab.
3. Back joint with StoGuard® Detail Component.
4. Components not identified as Sto are furnished by other manufacturers and are not necessarily installed by trades who install the Sto products. Refer to project specific contract documents.

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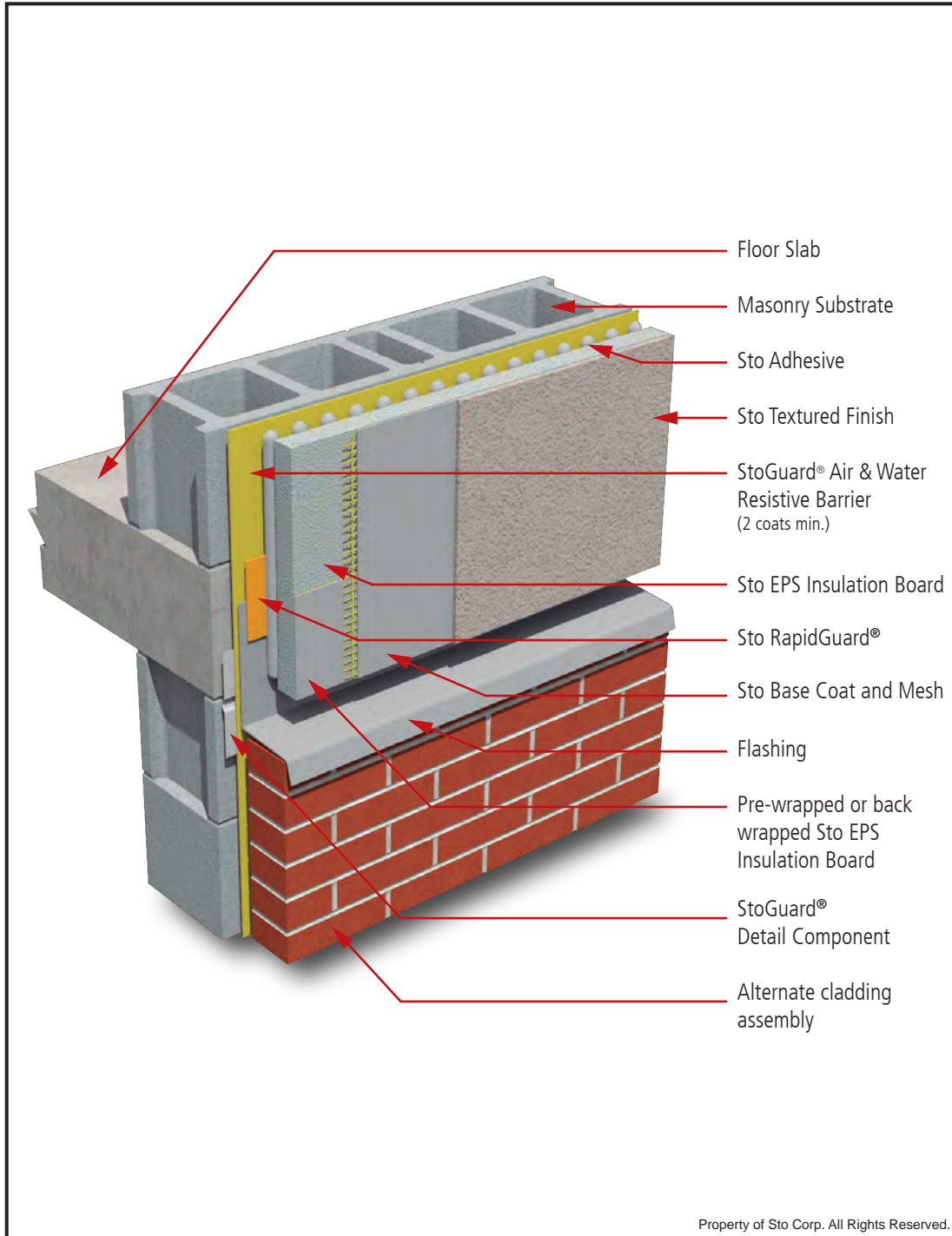
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# StoTherm® ci over Concrete Masonry Horizontal Joint at Dissimilar Material

Detail No.: 52c.42  
Date: October 2022



## Notes:

1. Refer to applicable Sto guide specifications, product bulletins, Tech Hotlines, and other Sto guide details for additional information.
2. Provide flashing minimum 4 inches (100mm) behind StoTherm® ci and project flashing with drip edge beyond face of alternate cladding below.
3. Determine installation sequence in advance of construction.
4. Components not identified as Sto are furnished by other manufacturers and are not necessarily installed by trades who install the Sto products. Refer to project specific contract documents.

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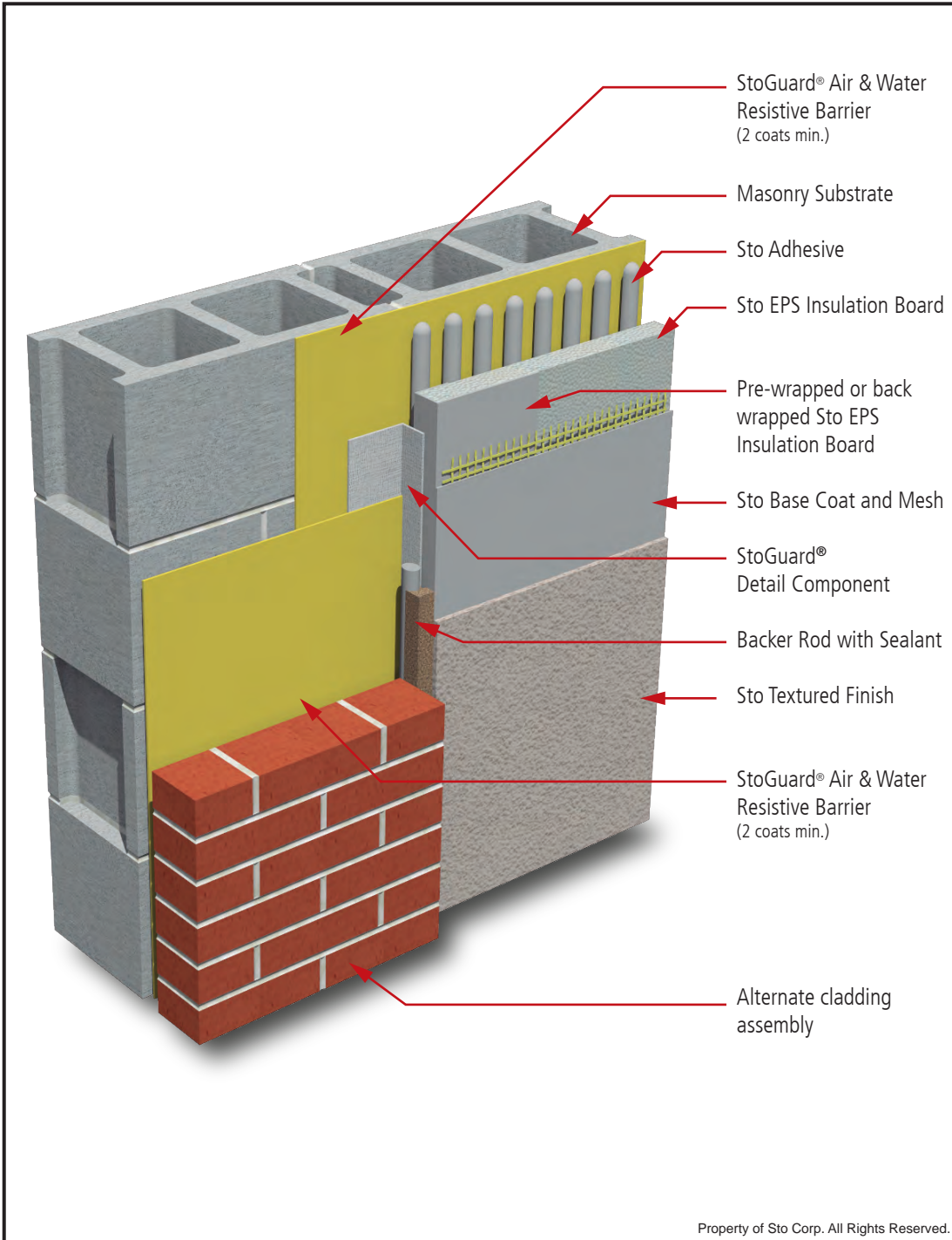
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# StoTherm® ci over Concrete Masonry Vertical Joint at Dissimilar Material

Detail No.: 52c.50  
Date: October 2022



### Notes:

1. Refer to applicable Sto guide specifications, product bulletins, Tech Hotlines, and other Sto guide details for additional information.
2. Determine installation sequence in advance of construction.
3. StoGuard® Detail Component isolates the potentially wet environment behind the alternate cladding from StoTherm® ci.
4. Provide minimum 3/4" (20mm) joint between the StoTherm® ci and the alternate cladding. Provide drainage for the joint assembly.
5. Components not identified as Sto are furnished by other manufacturers and are not necessarily installed by trades who install the Sto products. Refer to project specific contract documents.

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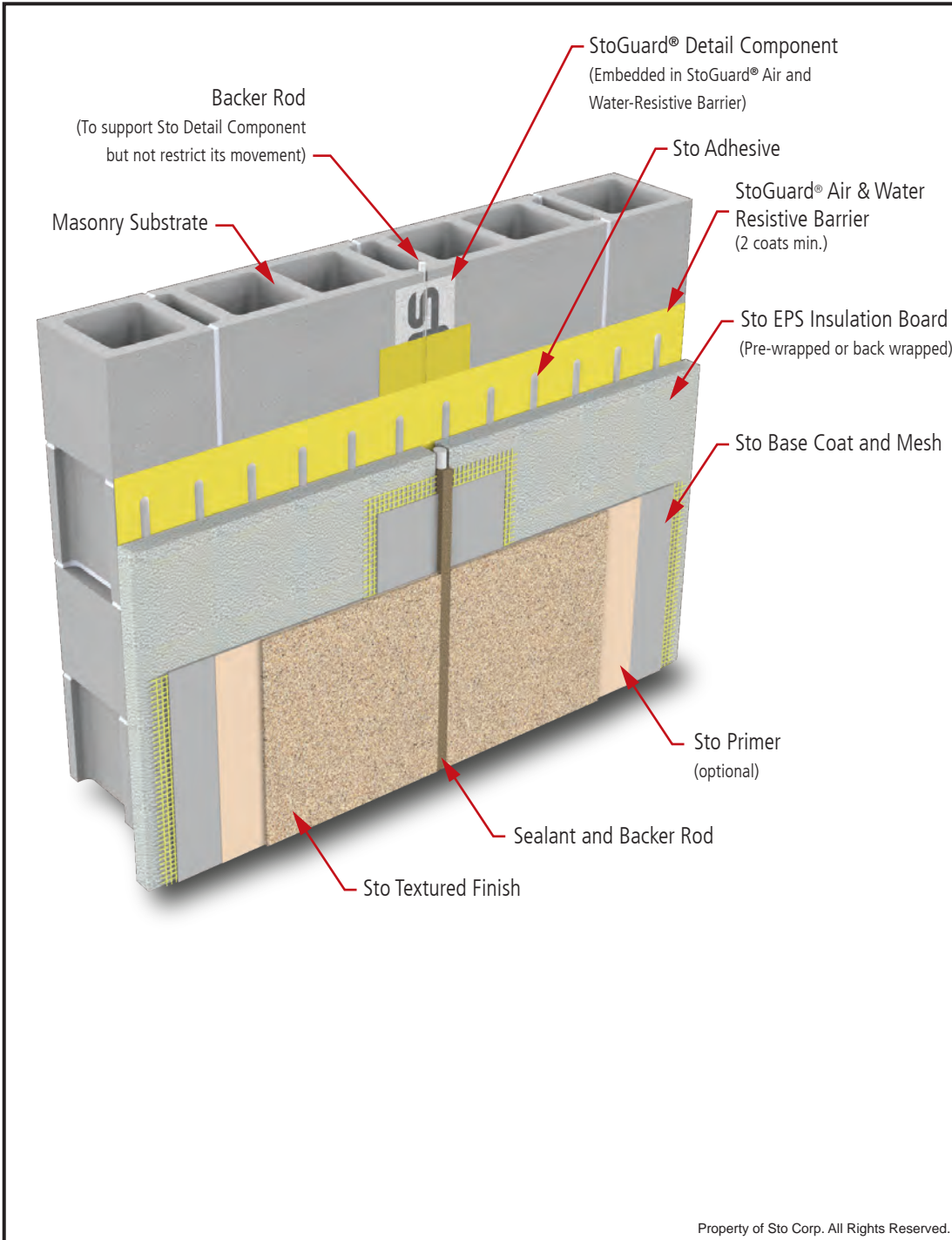
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# StoTherm® ci over Concrete Masonry Vertical Expansion Joint

Detail No.: 52c.51  
Date: October 2022



## Notes:

1. Refer to applicable Sto guide specifications, product bulletins, Tech Hotlines, and other Sto guide details for additional information.
2. Determine installation sequence in advance of construction.
3. StoGuard® Detail Component isolates the potentially wet environment behind the alternate cladding from StoTherm® ci.
4. Provide minimum 3/4" (20mm) joint between the StoTherm® ci and the alternate cladding. Provide drainage for the joint assembly.
5. Components not identified as Sto are furnished by other manufacturers and are not necessarily installed by trades who install the Sto products. Refer to project specific contract documents.

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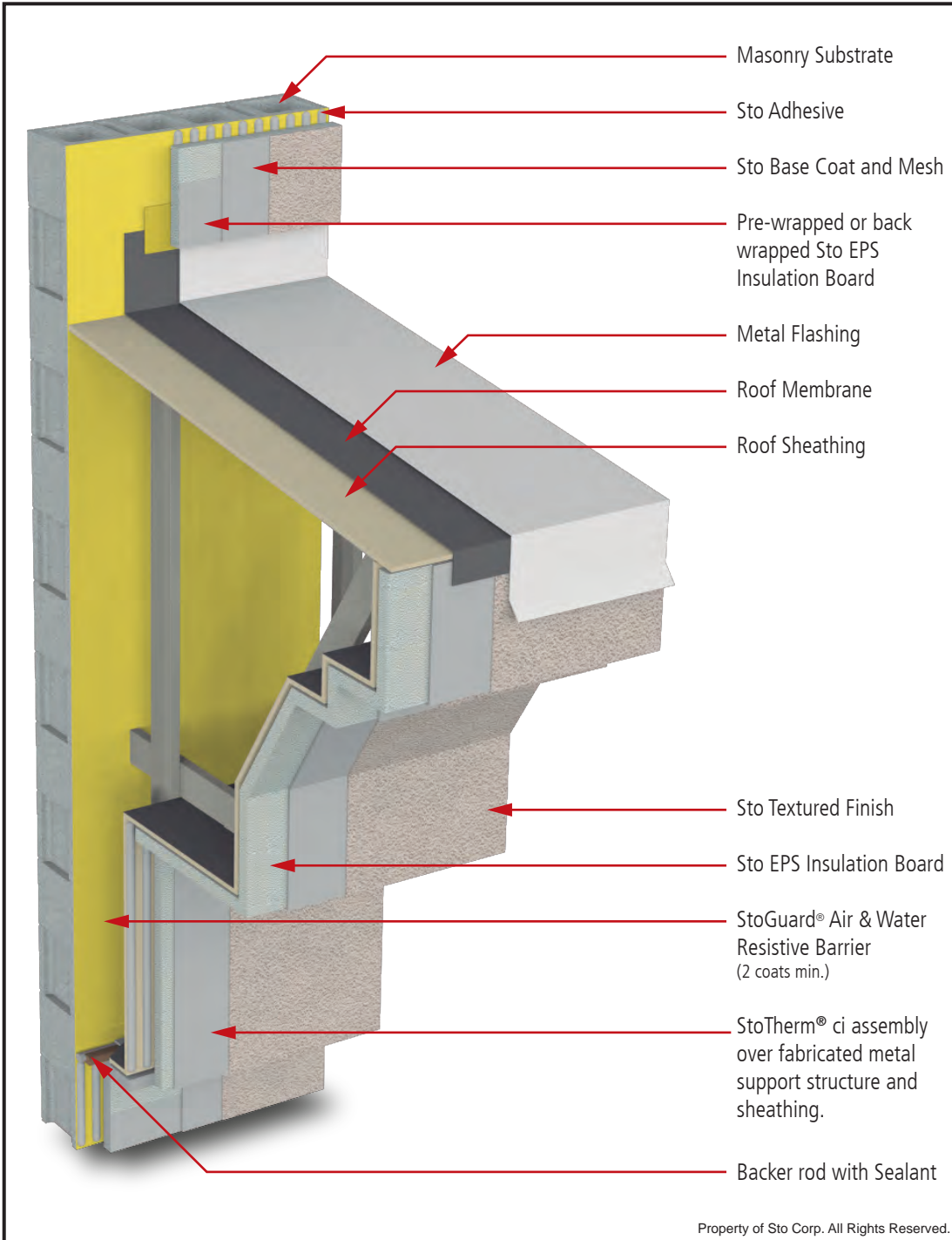
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# StoTherm® ci over Concrete Masonry Termination at Built-Out Feature

Detail No.: 52c.53  
Date: October 2022



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### Notes:

1. Refer to applicable Sto guide specifications, product bulletins, Tech Hotlines, and other Sto guide details for additional information.
2. Terminate StoTherm® ci minimum 2 inches (51mm) above metal flashing with minimum 2 inch (51mm) overlap of flashing.
3. Provide sealant beneath flashing drip edge.
4. Components not identified as Sto are furnished by other manufacturers and are not necessarily installed by trades who install the Sto products. Refer to project specific contract documents.

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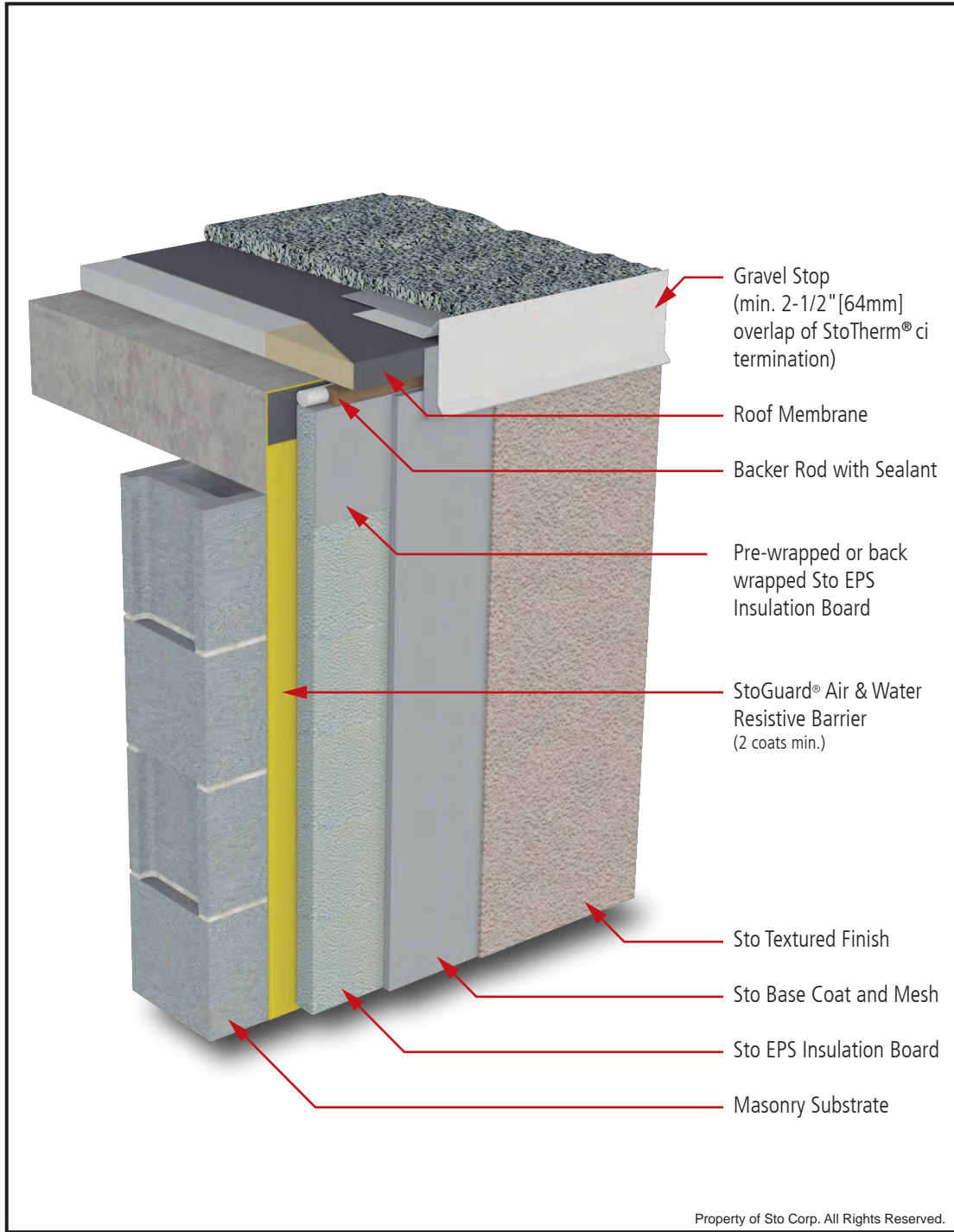
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# StoTherm® ci Concrete Masonry Termination at Flat Roof with Gravel Stop

Detail No.: 52c.60a  
Date: October 2022



### Notes:

1. Refer to applicable Sto guide specifications, product bulletins, Tech Hotlines, and other Sto guide details for additional information.

2. Provide continuity of roofing membrane with StoTherm® ci for air tight and water tight condition beneath gravel stop. Verify compatibility of materials where they overlap or interface.

3. Provide minimum 2-1/2 inch (64mm) overlap of gravel stop over terminating edge of StoTherm® ci for single story construction. Increase overlap with building height.

4. Components not identified as Sto are furnished by other manufacturers and are not necessarily installed by trades who install the Sto products. Refer to project specific contract documents.

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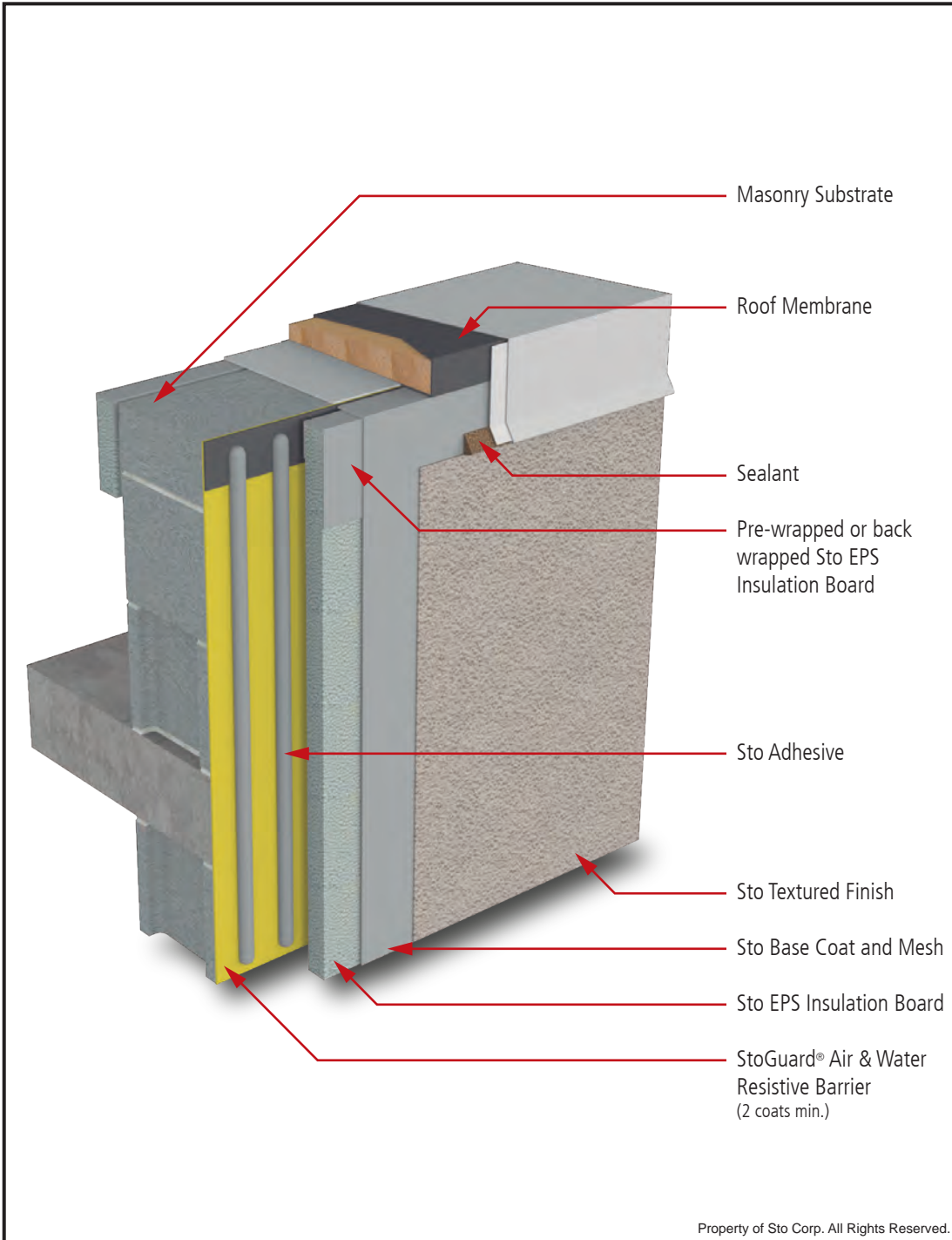
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# StoTherm® ci over Concrete Masonry Termination at Parapet Cap

Detail No.: 52c.60b  
Date: October 2022



### Notes:

1. Refer to applicable Sto guide specifications, product bulletins, Tech Hotlines, and other Sto guide details for additional information.
2. Provide continuity of roof membrane along back of parapet with base coat for air barrier continuity and verify compatibility of roof membrane if in contact with base coat.
3. Completely insulate back side of parapet if necessary to prevent condensation within parapet based on climate conditions.
4. Provide minimum 2.5 inch (65mm) overlap of parapet-coping over face of StoTherm® ci. Increase overlap with building height.
5. Components not identified as Sto are furnished by other manufacturers and are not necessarily installed by trades who install the Sto products. Refer to project specific contract documents.

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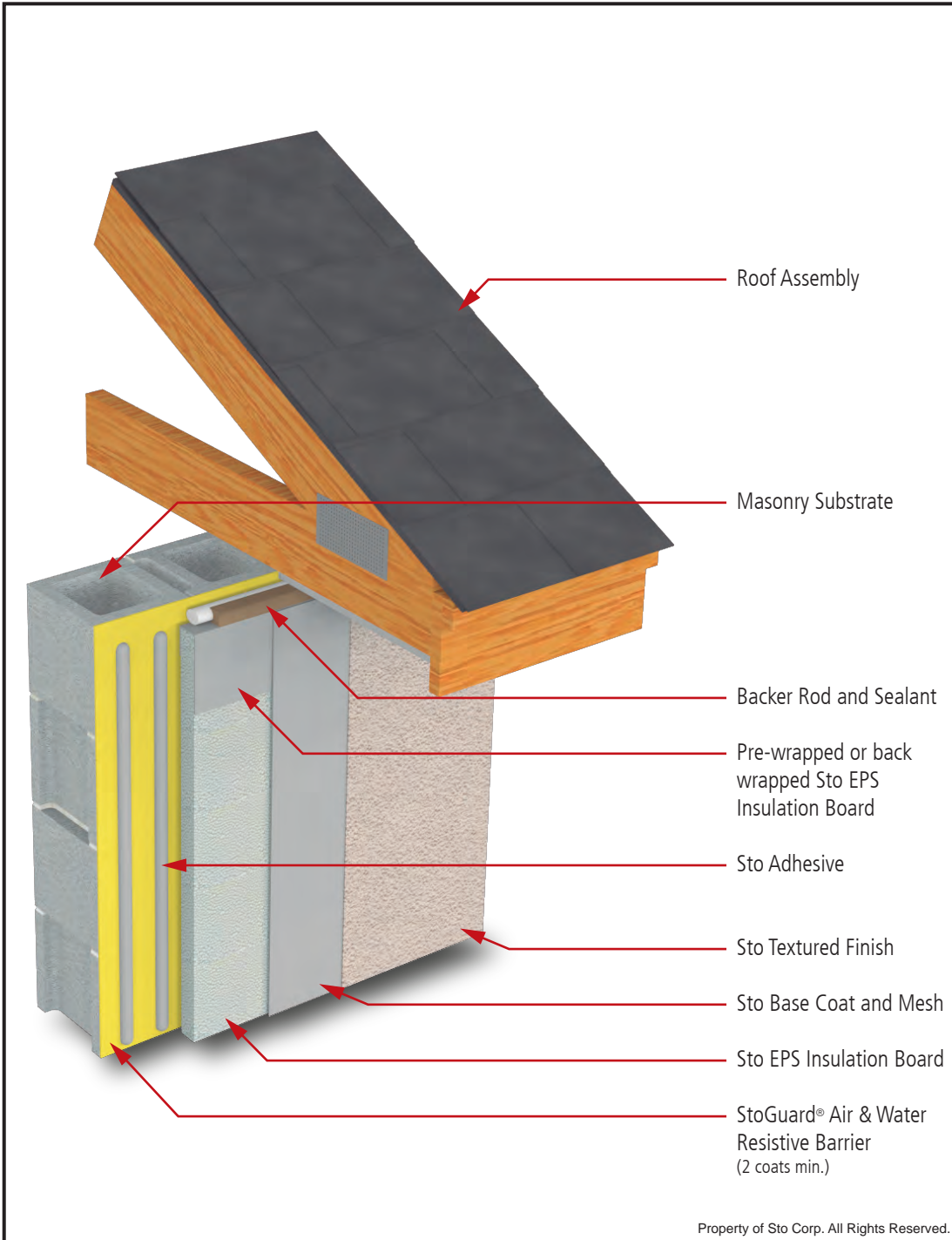
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# StoTherm® ci over Concrete Masonry Termination at Eave

Detail No.: 52c.63  
Date: October 2022



## Notes:

1. Refer to applicable Sto guide specifications, product bulletins, Tech Hotlines, and other Sto guide details for additional information.
2. Install soffit board prior to installation StoTherm® ci to provide bearing surface for sealant and backer rod.
3. Provide air tight connection with roof / eave air and water resistive material with StoGuard®.
4. Components not identified as Sto are furnished by other manufacturers and are not necessarily installed by trades who install the Sto products. Refer to project specific contract documents.

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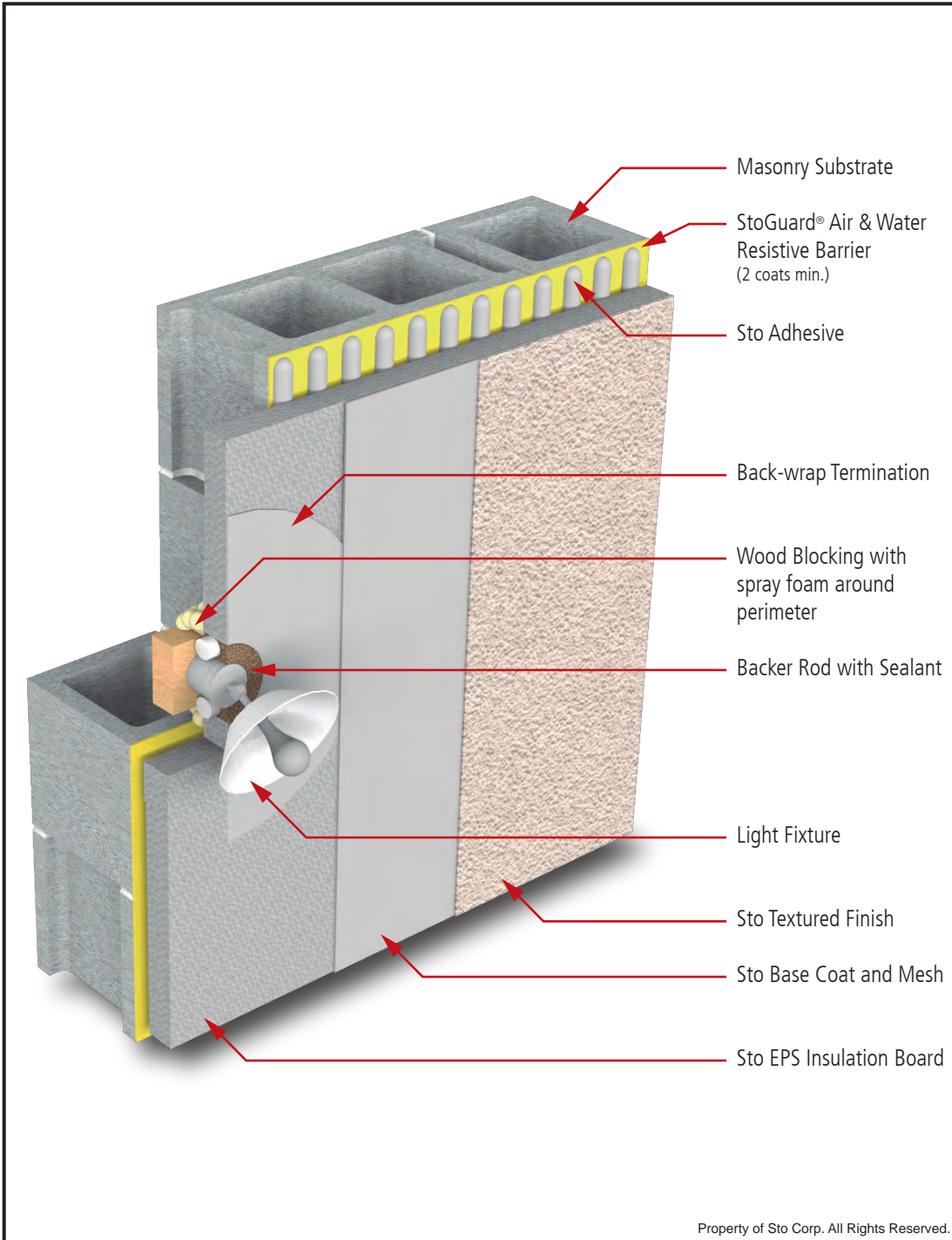
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# StoTherm® ci over Concrete Masonry Termination at Fixture Penetration through StoTherm® ci

Detail No.: 52c.73  
Date: October 2022



## Notes:

1. Refer to applicable Sto guide specifications, product bulletins, Tech Hotlines, and other Sto guide details for additional information.
2. For some penetrations a fillet bead of sealant over bond breaker around perimeter of penetration may also be acceptable. Consult with sealant manufacturer.
3. Components not identified as Sto are furnished by other manufacturers and are not necessarily installed by trades who install the Sto products. Refer to project specific contract documents.

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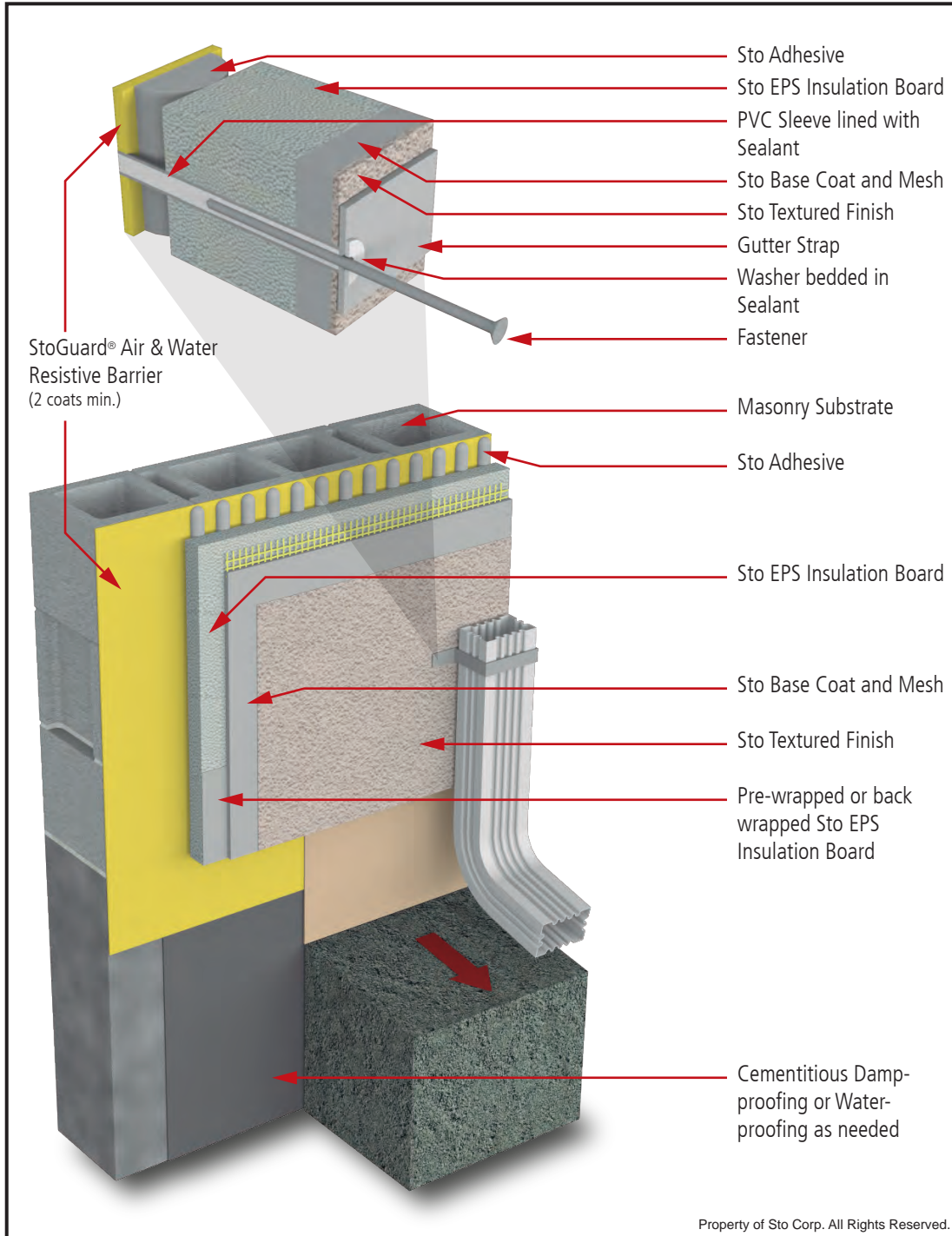
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# StoTherm® ci over Concrete Masonry Surface Mount Fixture Attachment Through StoTherm® ci

Detail No.: 52c.74  
Date: October 2022



### Notes:

1. Refer to applicable Sto guide specifications, product bulletins, Tech Hotlines, and other Sto guide details for additional information.
2. Provide minimum 6 inches (152 mm) clearance between StoTherm® ci termination and finished grade. Increase distance above grade for snow regions.
3. Provide cementitious damp proofing or waterproofing as needed below grade and on exposed masonry above grade. Counter flash StoTherm® ci over dampproofing/waterproofing. Where StoTherm® ci and non-cementitious damp-proofing/waterproofing meet, verify compatibility of StoTherm® ci components.
4. Provide adequate slope of finished grade away from structure for drainage.
5. Components not identified as Sto are furnished by other manufacturers and are not necessarily installed by trades who install the Sto products. Refer to project specific contract documents.

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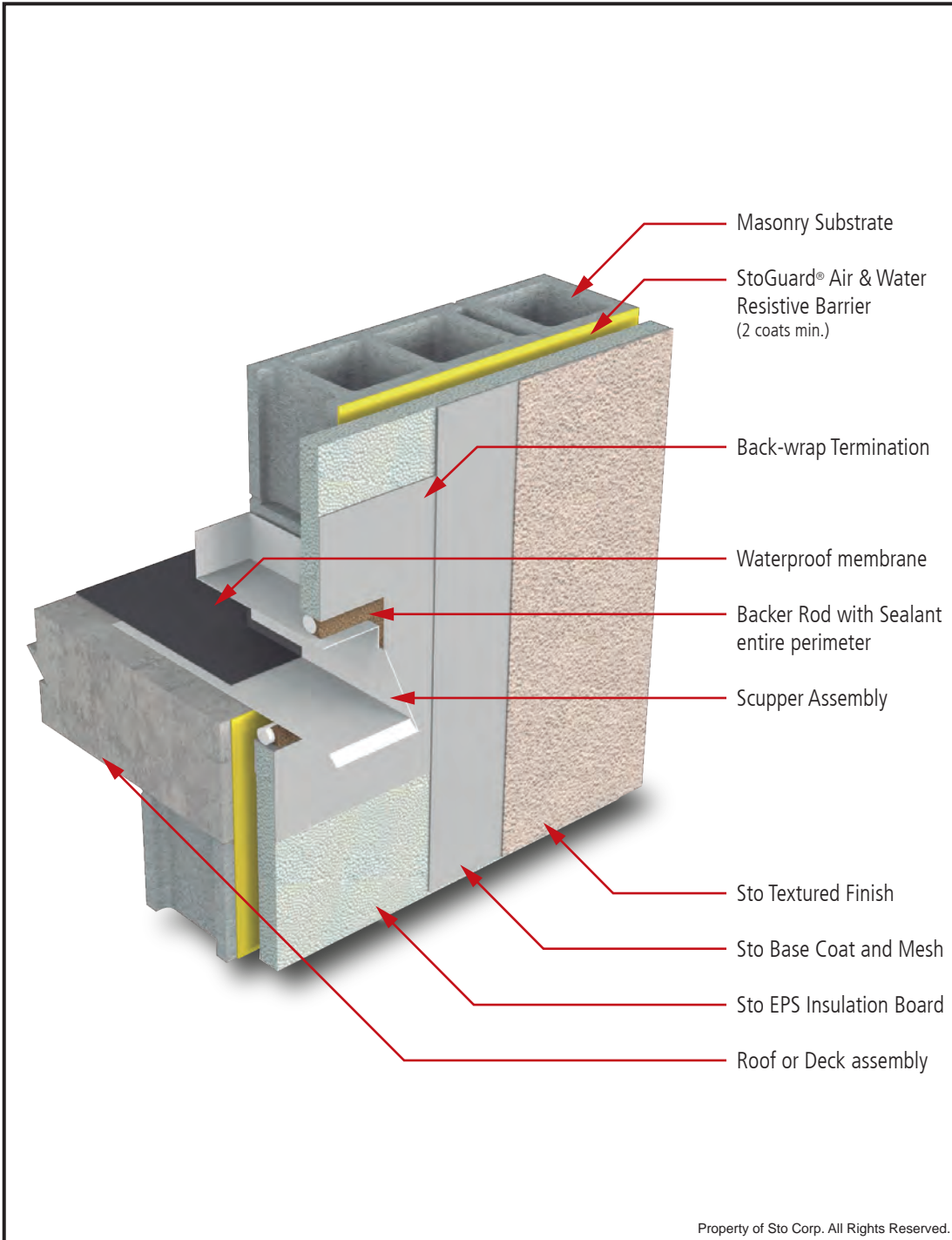
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# StoTherm® ci over Concrete Masonry Termination at Scupper Penetration

Detail No.: 52c.75  
Date: October 2022



### Notes:

1. Refer to applicable Sto guide specifications, product bulletins, Tech Hotlines, and other Sto guide details for additional information.
2. Provide leakproof scupper assembly and installation to direct water away from the wall surface.
3. Components not identified as Sto are furnished by other manufacturers and are not necessarily installed by trades who install the Sto products. Refer to project specific contract documents.

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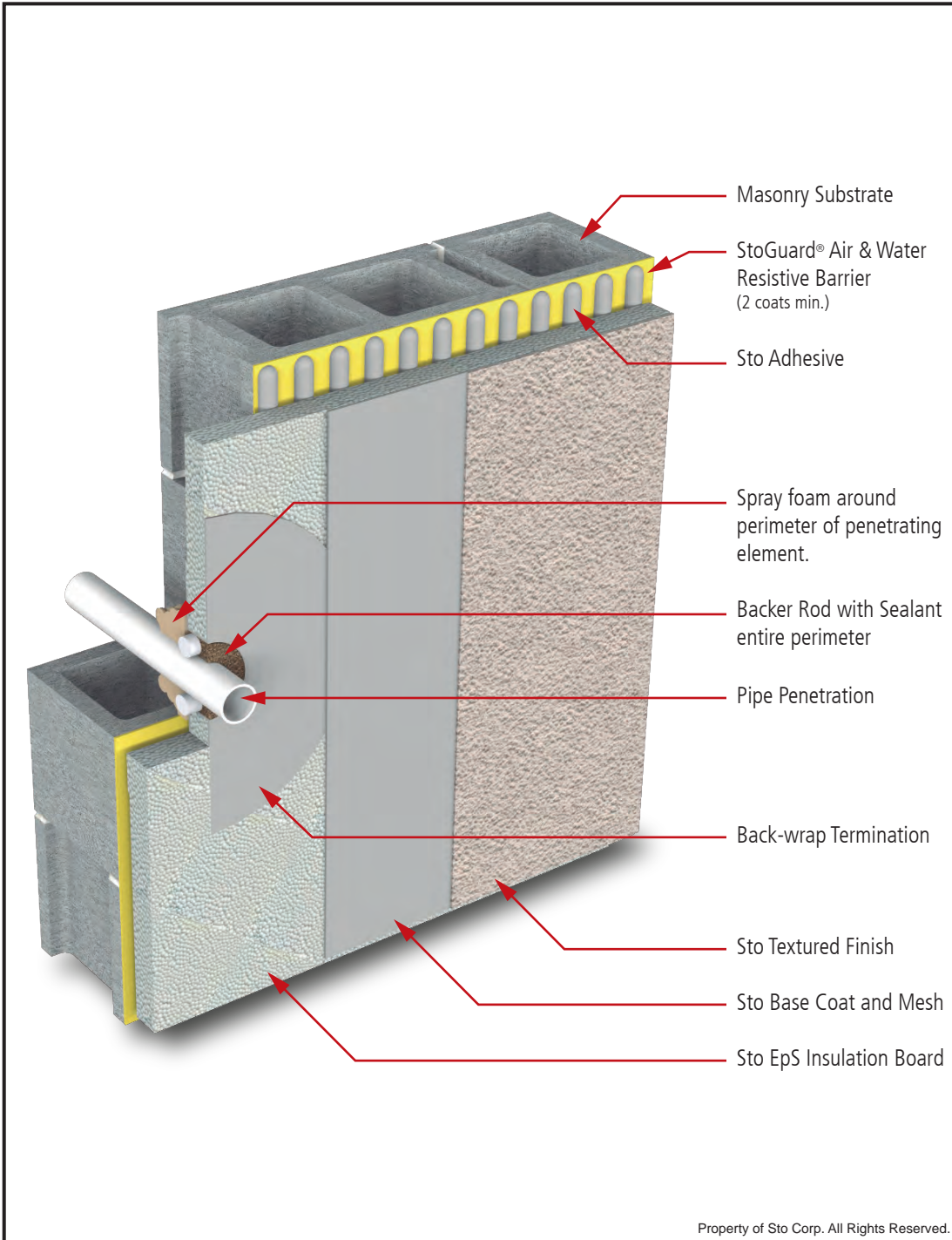
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# StoTherm® ci over Concrete Masonry Termination at Pipe Penetration

Detail No.: 52c.76  
Date: October 2022



## Notes:

1. Refer to applicable Sto guide specifications, product bulletins, Tech Hotlines, and other Sto guide details for additional information.
2. For some penetrations a fillet bead of sealant over bond breaker around perimeter of penetration may also be acceptable. Consult with sealant manufacturer.
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