

Detail solutions for material transitions

White paper

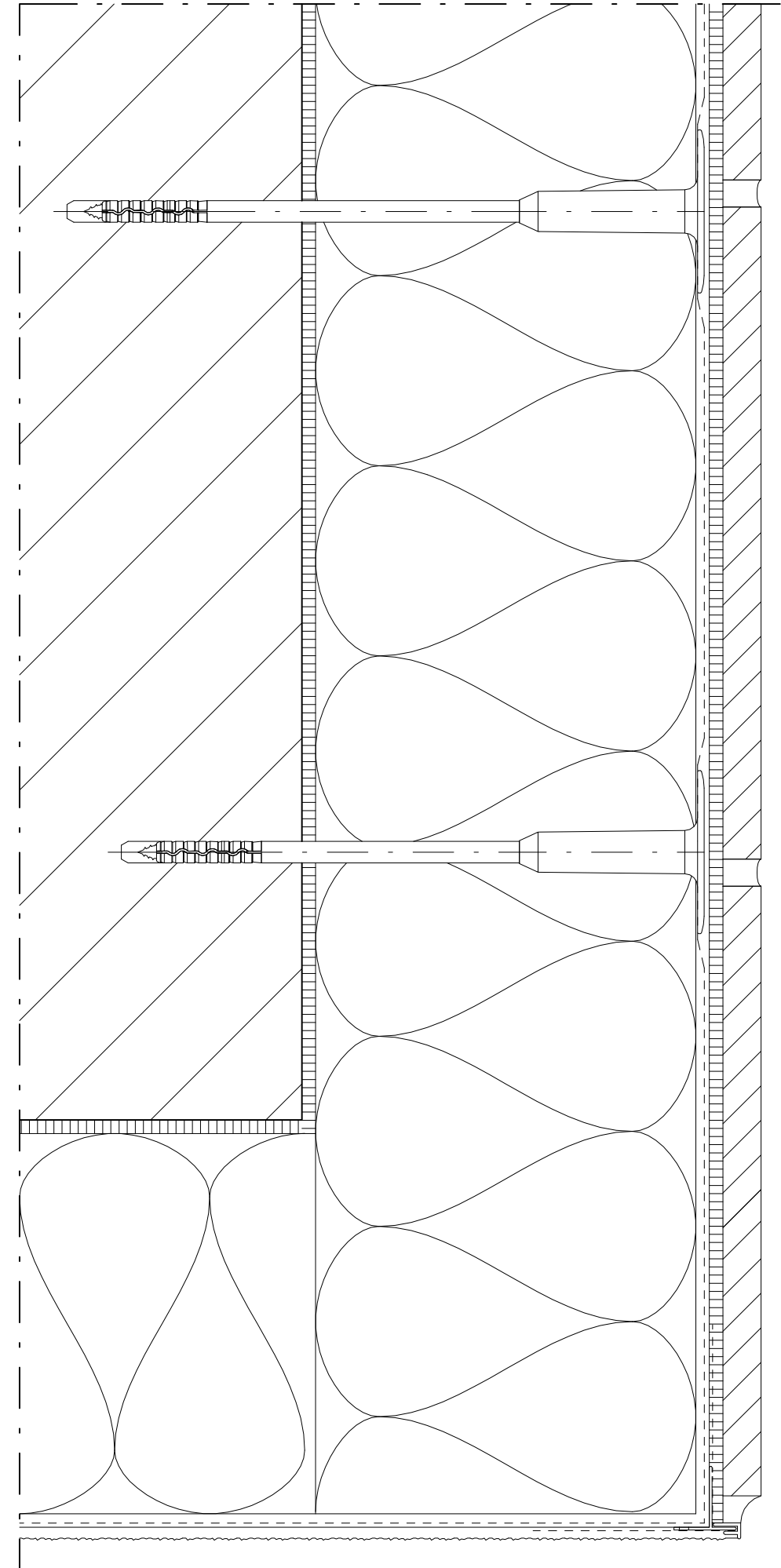
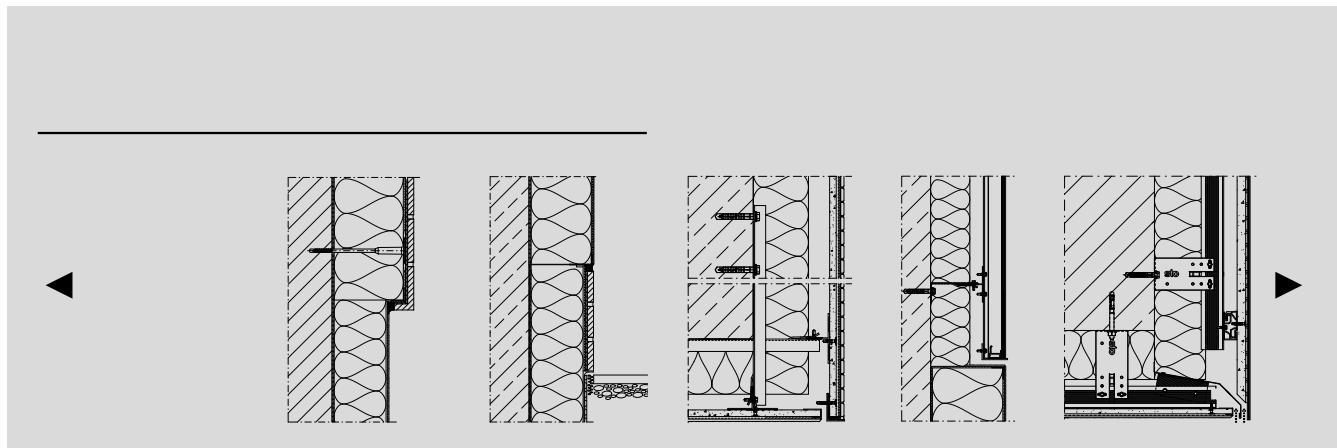


Architecture begins with the details Where materials meet

It's not just surfaces that define the character of a building – transitions are equally important. Changes of material between wall and floor, interior and exterior, old and new – these are sensitive points of intersection where design and craftsmanship are made visible.

Transitions with a clean design show respect for materials, create a sense of excitement or tranquility, and demonstrate conceptual clarity. They determine whether the materials used are in harmony with each other.

Transitions come into effect on a scale of 1:1 – they create identity and bring architecture to life.

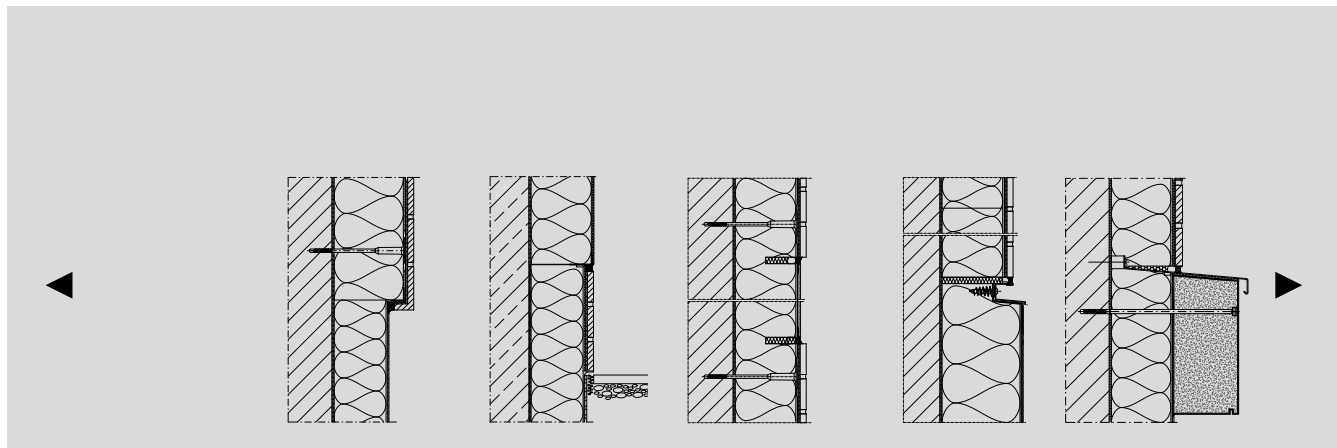


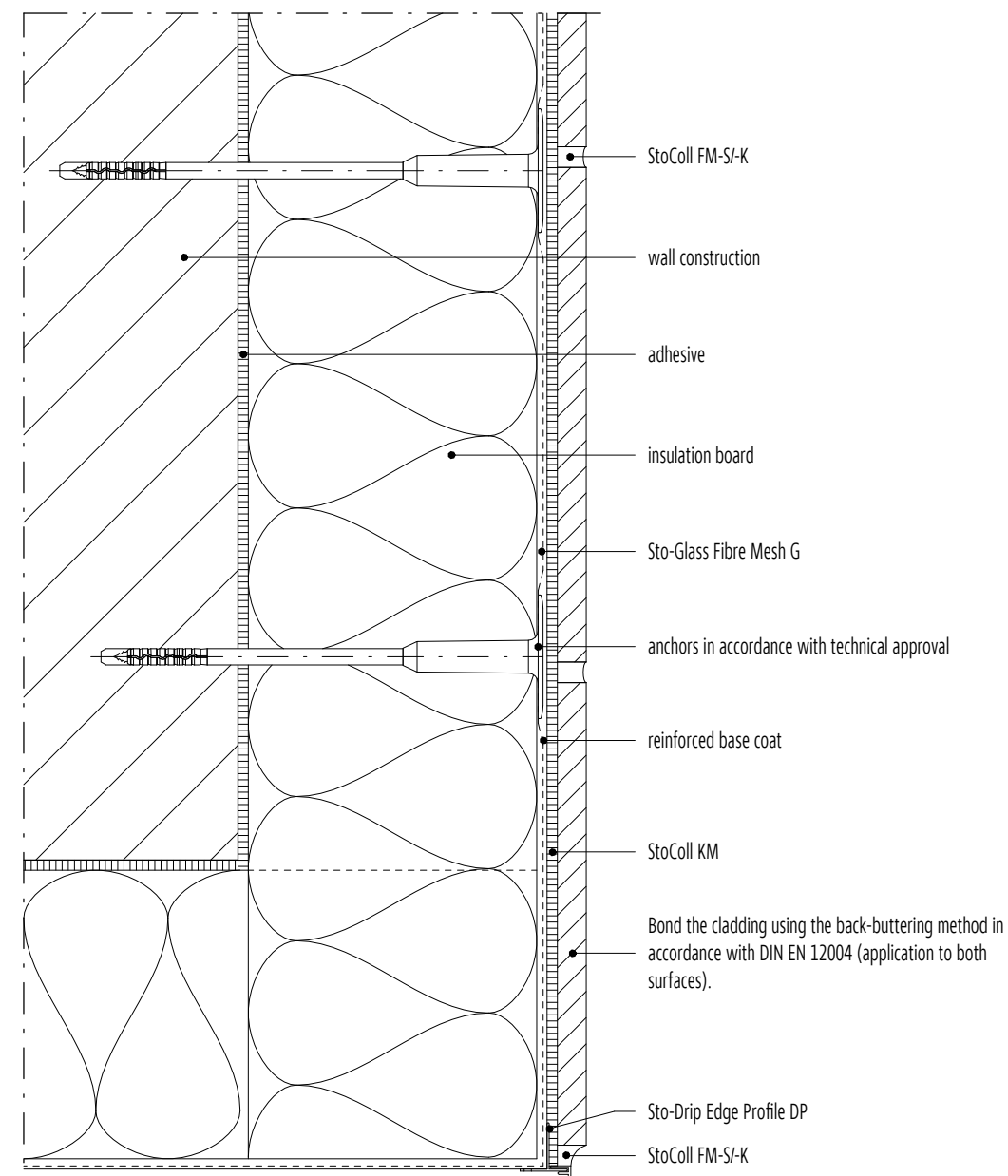
Material transitions with StoTherm

External wall insula- tion systems

Changes of material on a facade not only require technical know-how – they are a critical component of the visual impact of the architecture. For our StoTherm external thermal insulation composite systems, we offer a wide range of tried-and-tested standard detail solutions for various transition scenarios. These solutions often serve as a starting point for the joint development of bespoke project solutions. Let the selection of building projects from our portfolio and the details of what inspired them on the following pages light your creative fire.

From there, it's just a small step to make the necessary adaptations for your own project, and we'd be delighted to accompany you on this journey.





Rivus Vivere Vienna, AT

Building owner: BUWOG Group GmbH, Vienna, AT

Architecture: PPAG Architects ZT GmbH, Vienna, AT

Specialised trade: Handler Bau GmbH, Bad Schöna, AT; Cena Bau GmbH, Alkoven, AT

Sto proficiency: external thermal insulation composite system (StoTherm), brick slips (StoBrick, bespoke surface), rendered surface (StoSignature Texture:

Rough 1/Sto-Silkolit K 1.5 colour shade white)

Photos: Christian Schellander, Schliefling, AT

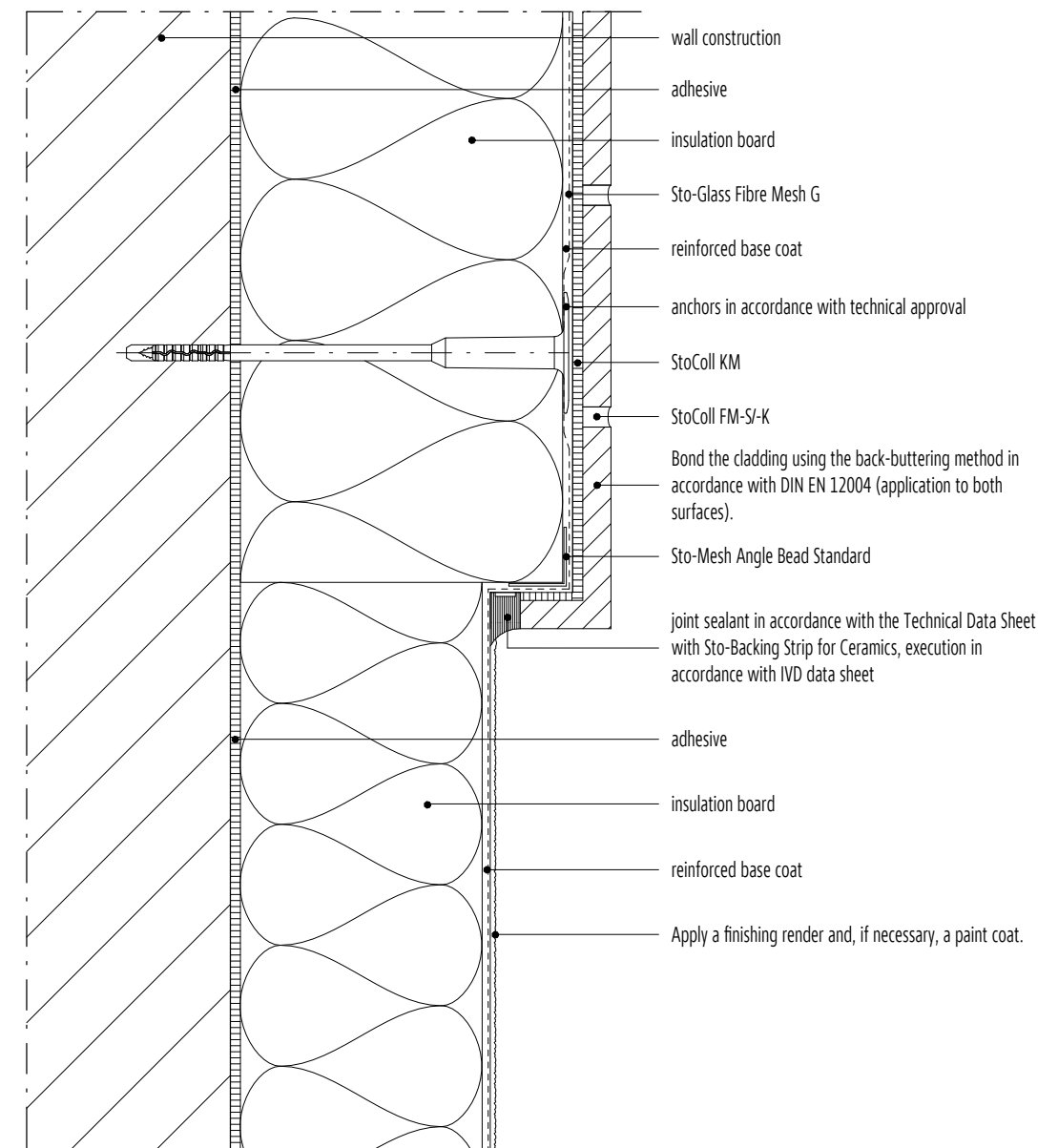
Construction project requirements

Connection of an external corner, transition between render layer and rigid cladding

Sto inspiration detail

Detail no.: Sto-HQ-EN_GEN-RC-0218-02_2016-03-30

Detail solution category: external wall/system transition

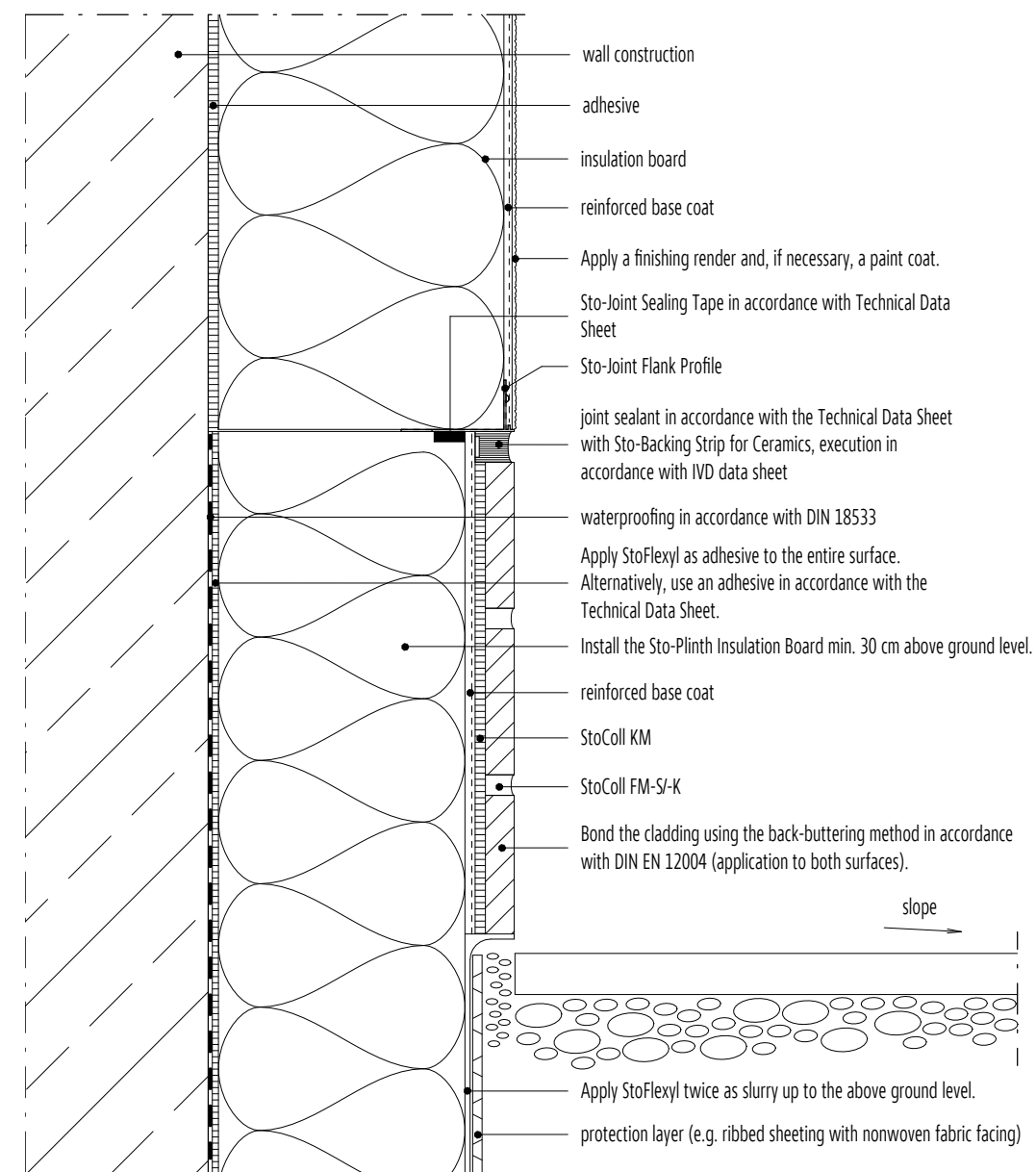
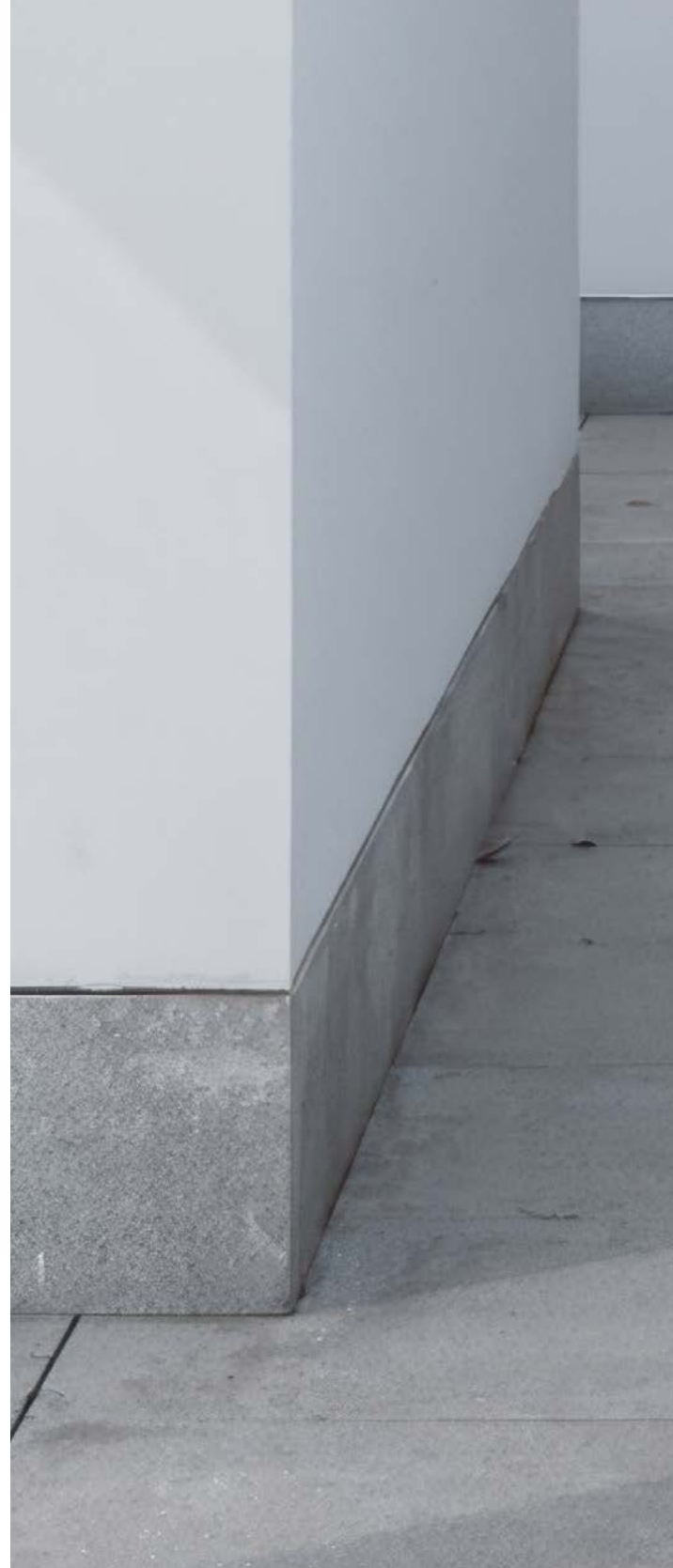


Half-Long Charles Ludwigsburg, DE

Building owner: Strenger Holding, Ludwigsburg, DE
Architecture: Steimle Architekten GmbH, Stuttgart, DE;
 bopp herrmann architekten gmbh, Stuttgart, DE
Specialised trade: Wofa-Wolf, Weil im Schönbuch, DE
Sto proficiency: StoTherm Mineral, StoVentec C, StoBrick
 2079, 2083, StoSignature Texture: Fine30
Photos: Brigida González, Stuttgart, DE

Construction project requirements
 Transition between rigid cladding and render
 coating with recess

Sto inspiration detail
Detail no.: Sto-HQ-EN_GEN-RC-0232-02_2023-11-20
Detail solution category: plinth



Dongqian Lake Houses Ningbo, CN

Building owner: HuaMaoGroup, Ningbo, CN

Architecture: Álvaro Siza Vieira & Carlos Castanheira, Porto, PT

Specialised trade: Shaoxing Dihong Building Materials Co. Ltd, Shaoxing, CN

Sto proficiency: external thermal insulation composite system (StoTherm), facade paint (StoColorDryonic®, colour shade white)

Photos: Bowen Hou, CN

Construction project requirements

Ground and splash zones, with rigid cladding and a flush transition to render coating

Sto inspiration detail

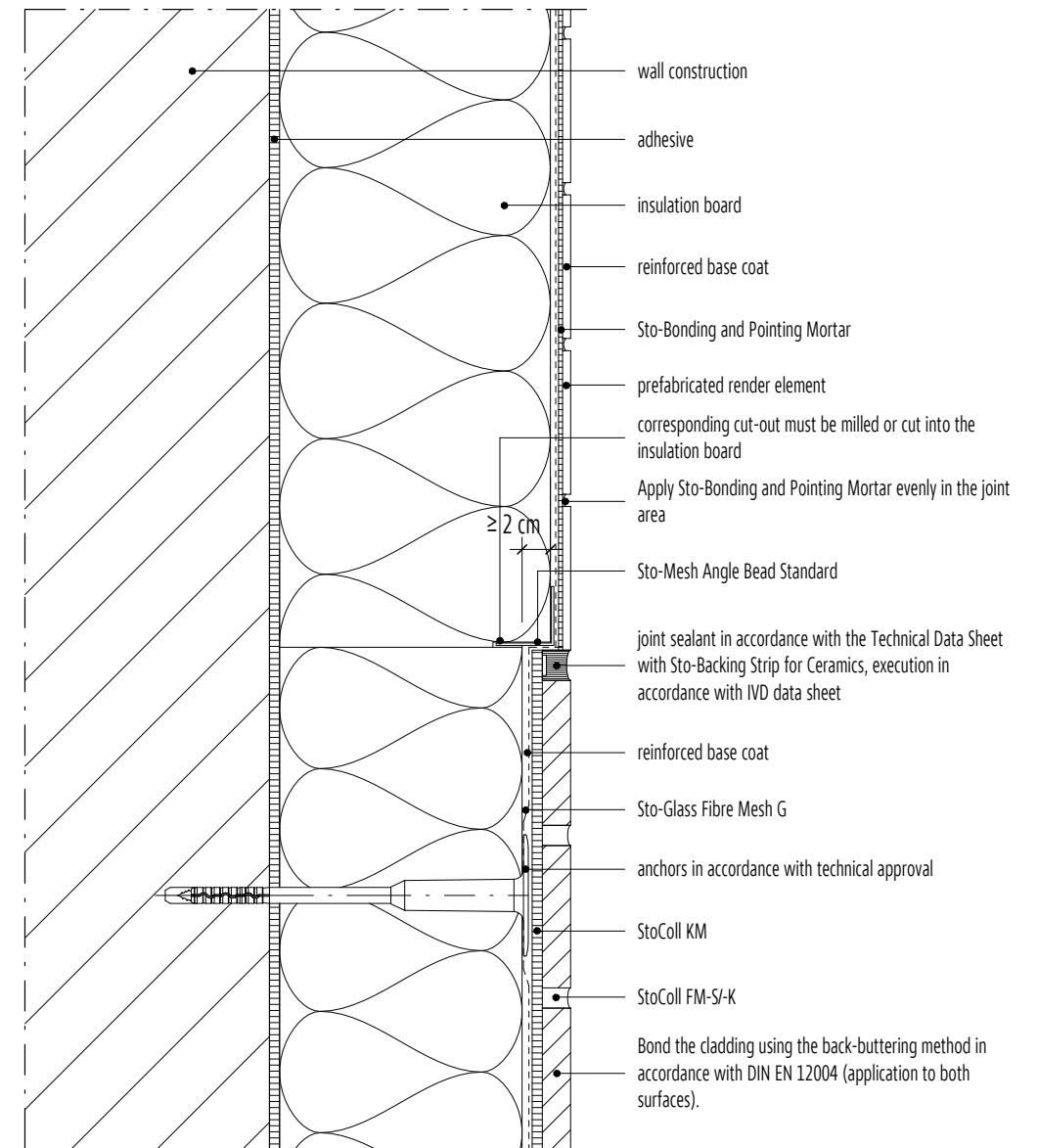
Detail no.: Sto-HQ-EN_GEN-RC-0130-01_2025-06-16

Detail solution category: plinth



7 Detail solutions for material transitions
White paper

Detail

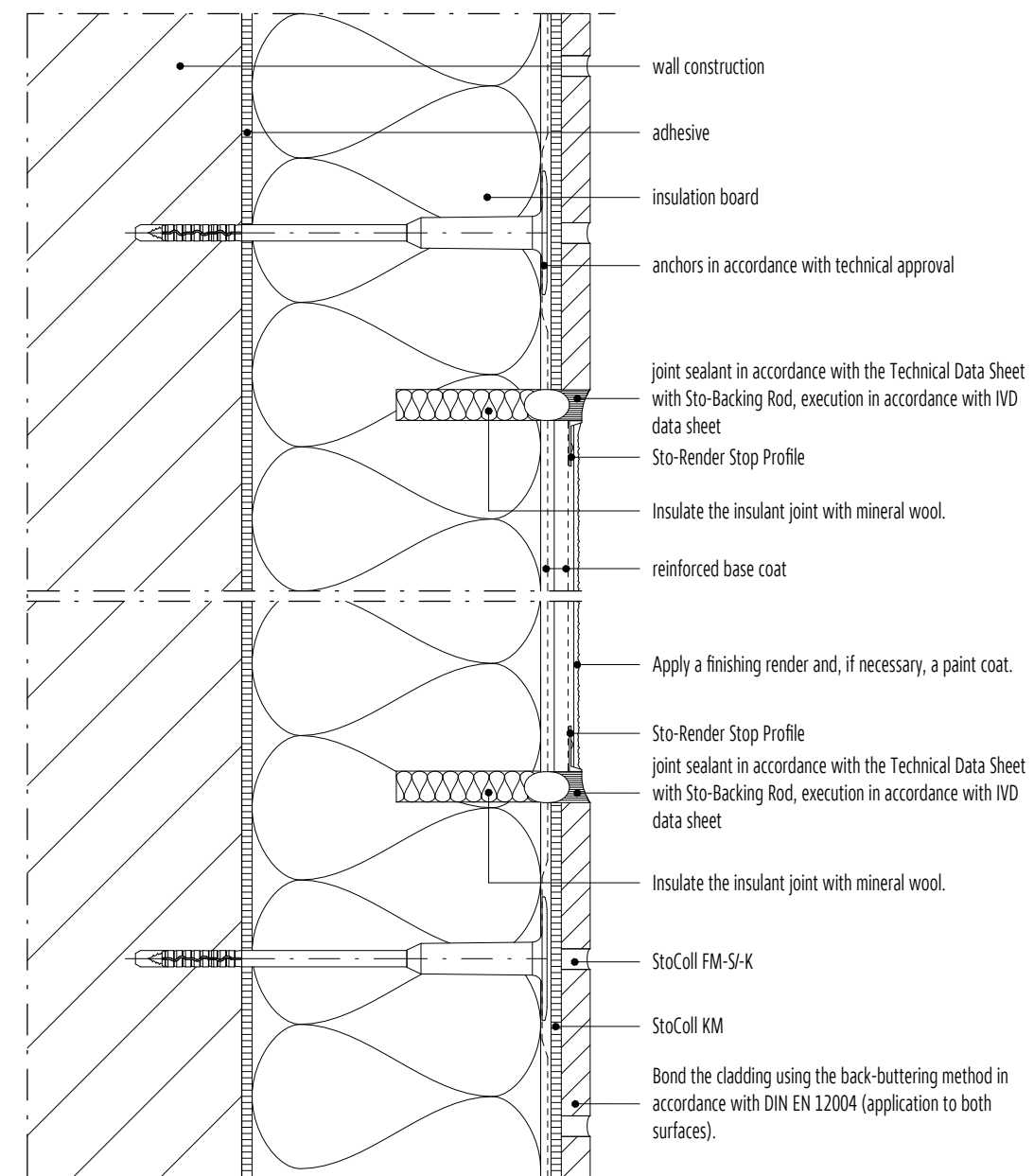
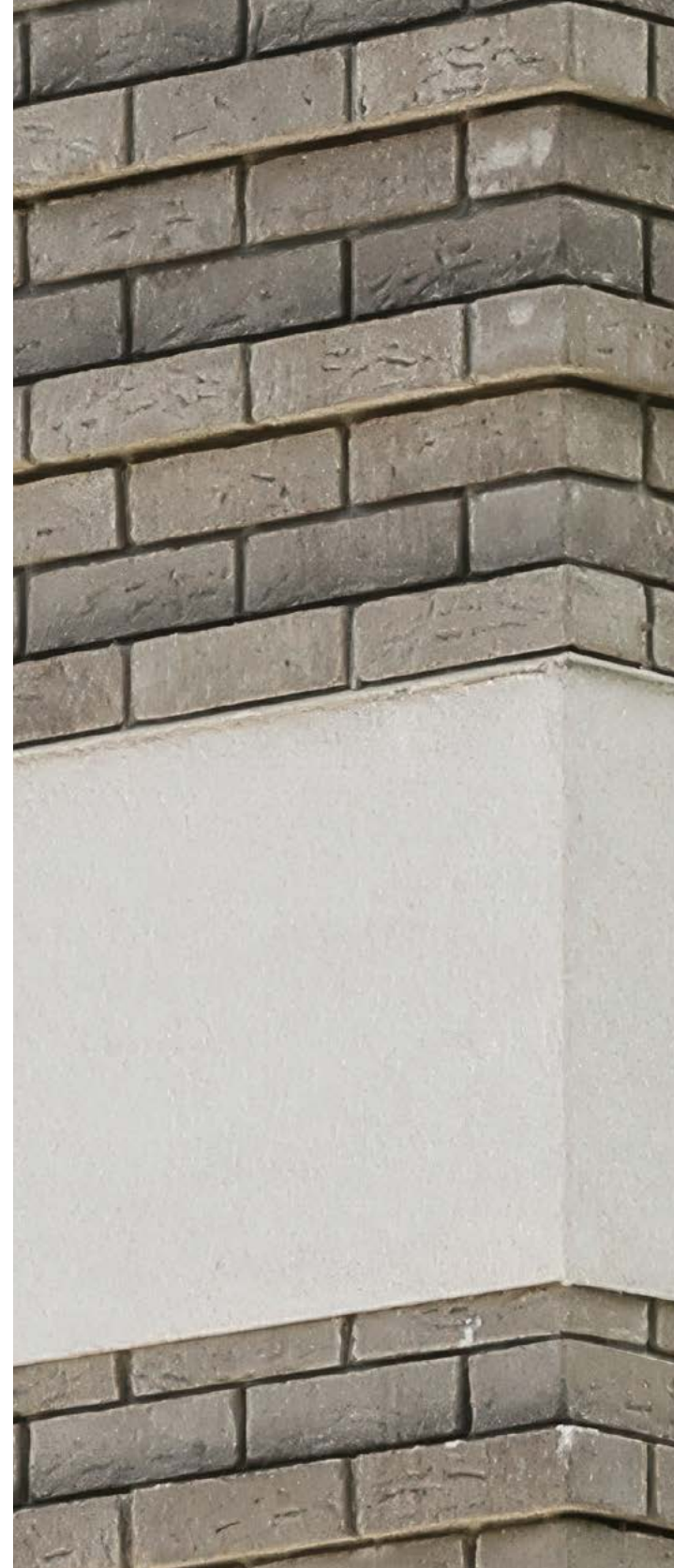


De Puls Amsterdam, NL

Project development: Vorm Development, Rotterdam, NL; Edge Technologies, Amsterdam, NL
Architecture: VMX Architects, Amsterdam, NL; MVSA Architects, Amsterdam, NL; DELVA Landscape Architecture & Urbanism, Amsterdam, NL
Specialised trade: 't Huis B. V., Schiedam, NL
Sto proficiency: External wall insulation system (StoTherm Mineral), Resin brick slips (StoCleyer B), Extruded brick slips (StoBrick)
Photos: Ronald Tillemann, Rotterdam, NL

Construction project requirements
 Transition between facade finishes of different thicknesses

Sto inspiration detail
Detail no.: Sto-HQ-EN_GEN-RC-0290-05_2026-06-17
Detail solution category: external wall/system transition



Villa Murgle residential estate Ljubljana, SI

Architecture: P PLUS arhitekti, Ljubljana, SI

Specialised trade: Tosidosd.o.o., Ljubljana, SI

Sto proficiency: external thermal insulation composite system (StoTherm), brick slips (StoBrick, bespoke surface)

Photo: P PLUS arhitekti, Ljubljana, SI

Construction project requirements

Transition between render coating and rigid cladding full surface

Sto inspiration detail

Detail no.: Sto-HQ-EN_GEN-RC-0270-01_2019-05-01

Detail solution category: external wall/system transition



Parkvillen II Karlsruhe, DE

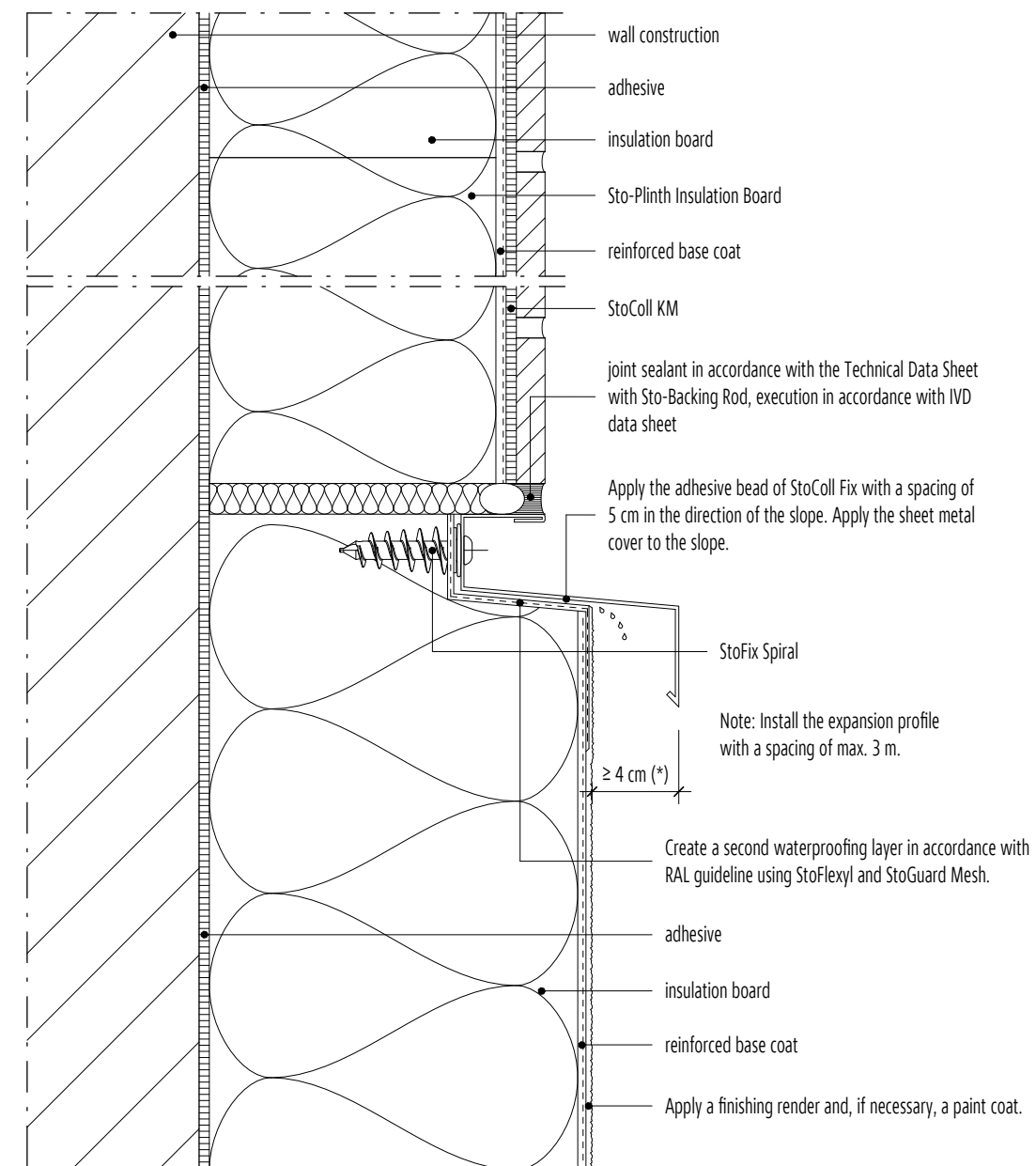
Building owner: IMMOTREND Bauträger und Immobilienkonzeptions-GmbH, Karlsruhe, DE

Architecture: AGP Generalplaner GmbH, Karlsruhe, DE;
Architrav Architekten Fichter-Böttcher-Post PartGmbH, Karlsruhe, DE

Specialised trade: Demino Stukkateur GmbH, Hanau, DE

Sto proficiency: external thermal insulation composite system (StoTherm),
brick slips (StoBrick, bespoke surface)

Photos: Dirk Altenkirch, Karlsruhe, DE



Construction project requirements

Transition between rigid cladding and render coating with recess

Sto inspiration detail

Detail no.: Sto-HQ-EN_GEN-RC-0243_2019-05-01

Detail solution category: external wall/system transition



Residential estate, Parkend Frankfurt a. M., DE

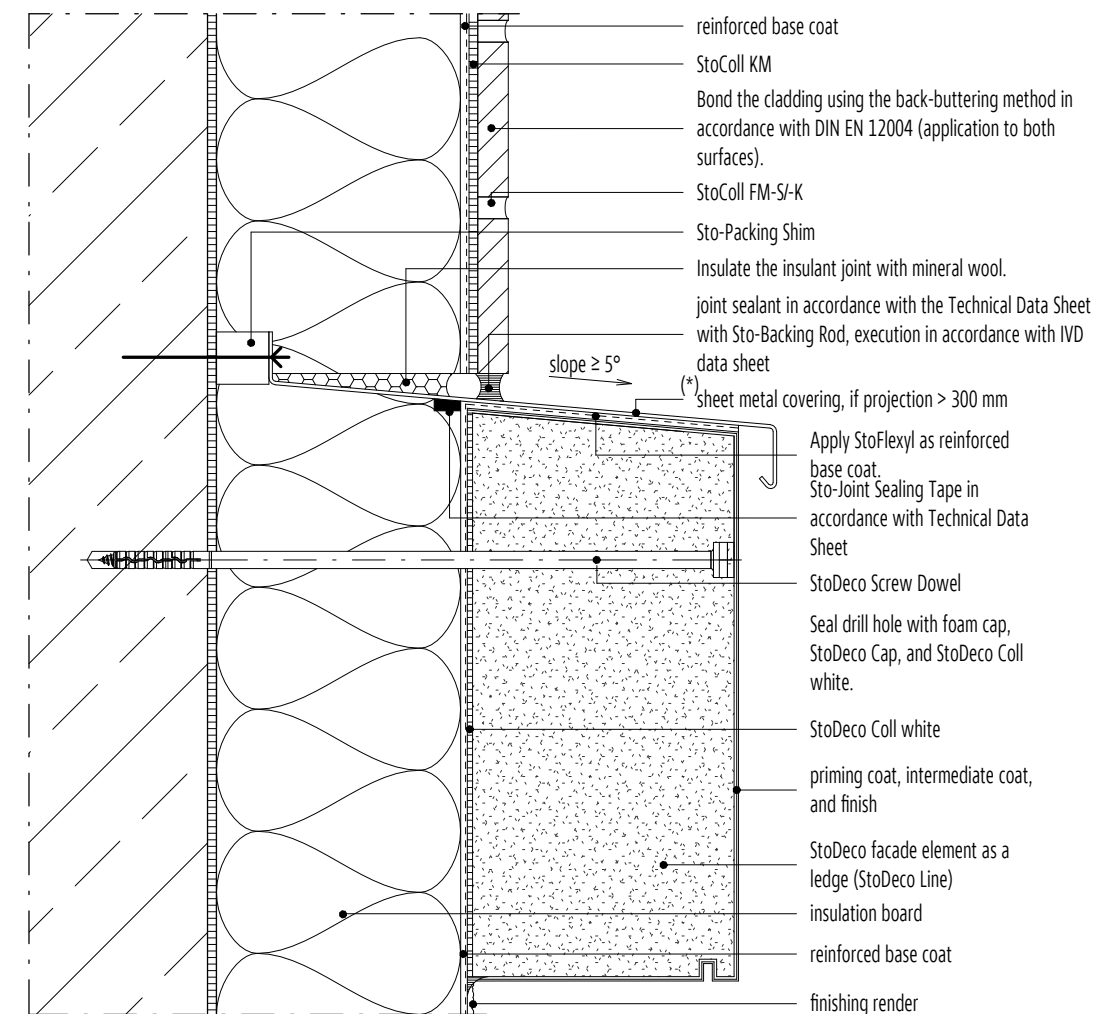
Building owner: P+B GmbH & Co. KG, Sankt Augustin, DE

Architecture: ARTIKULAR ARCHITEKTEN, Esslingen, DE

Specialised trade: Riga Bau GmbH, Berlin, DE

Sto proficiency: external thermal insulation composite system (StoTherm), three-dimensional facade elements (StoDeco Line), brick slips (StoBrick, bespoke surface)

Photos: RADON photography, Ingolstadt, DE



Construction project requirements

Transition between cornice with large projection, render coating, and rigid cladding

Sto inspiration detail

Detail no.: Sto-HQ-EN_GEN-RC-DP-0250_2022-01-01

Detail solution category: external wall/system transition



Rosenberghöfe Stuttgart, DE

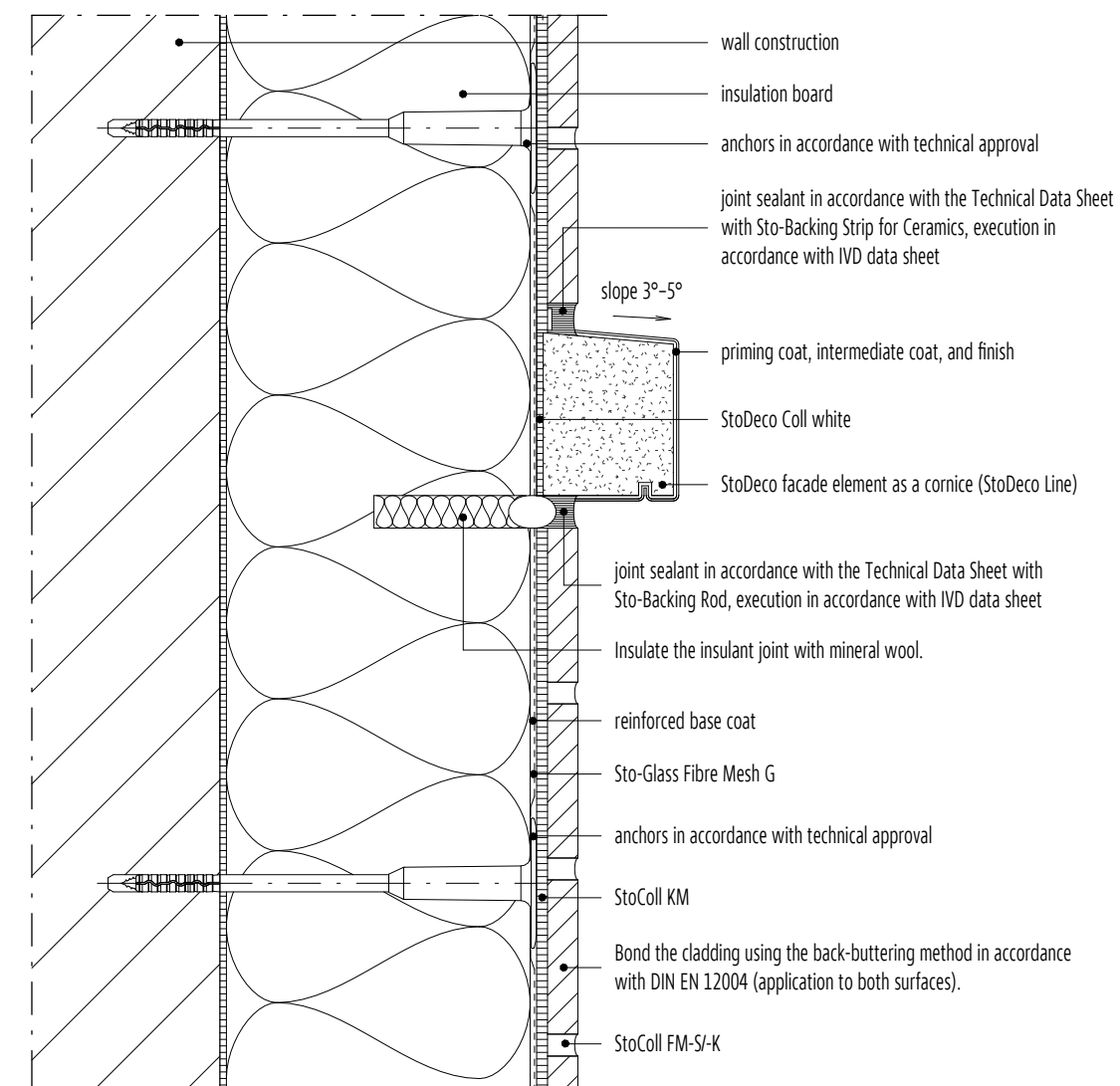
Building owner: Pflugfelder Immobilien Treuhand GmbH, Stuttgart, DE

Architecture: linhardt architektur, Stuttgart, DE

Specialised trade: Hans Scholl GmbH, Gemmrigheim, DE

Sto proficiency: external thermal insulation composite system (StoTherm), three-dimensional facade elements (StoDeco Line), brick slips (StoBrick, bespoke surface)

Photos: RADON photography, Ingolstadt, DE



Construction project requirements

Transition between cornice with low projection and rigid cladding

Sto inspiration detail

Detail no.: Sto-HQ-EN_GEN-RC-DP-0235_2022-02-01

Detail solution category: external wall/system transition

Detail



Residential estate Kainergasse, AT

Architecture: kiss architektur ZT GmbH, Vienna, AT

Specialised trade: Ing. Weissel Harald GmbH, Mannswörth, AT

Sto proficiency: external thermal insulation composite system (StoTherm), brick slips (StoBrick, bespoke surface); rendered surface (StoSignature Texture: Rough 1)

Photos: Christian Schellander, Villach, AT

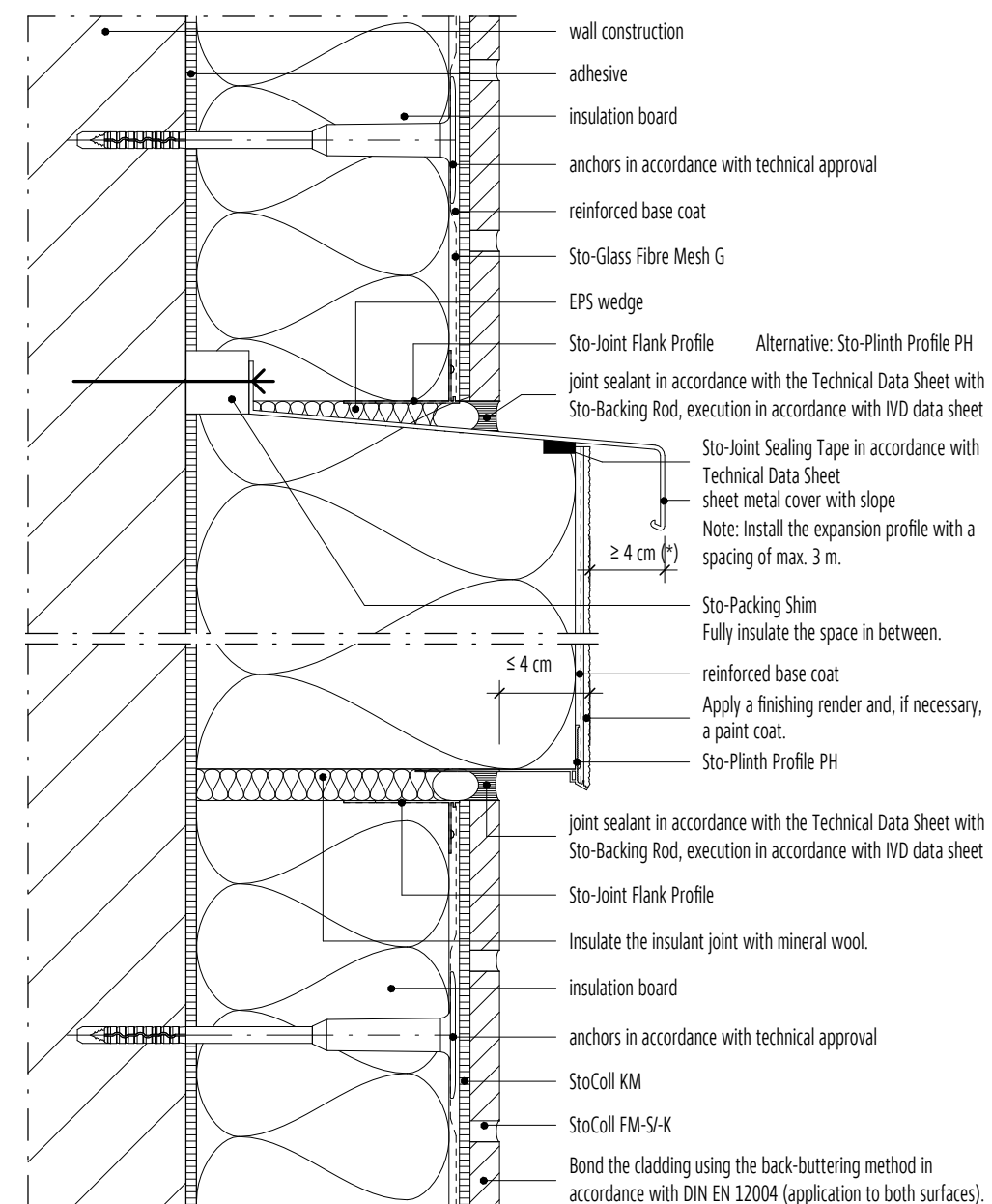
Construction project requirements

Transition between cornice with render coating and rigid cladding

Sto inspiration detail

Detail no.: Sto-HQ-EN_GEN-RC-0290-04_2023-06-22

Detail solution category: external wall/system transition

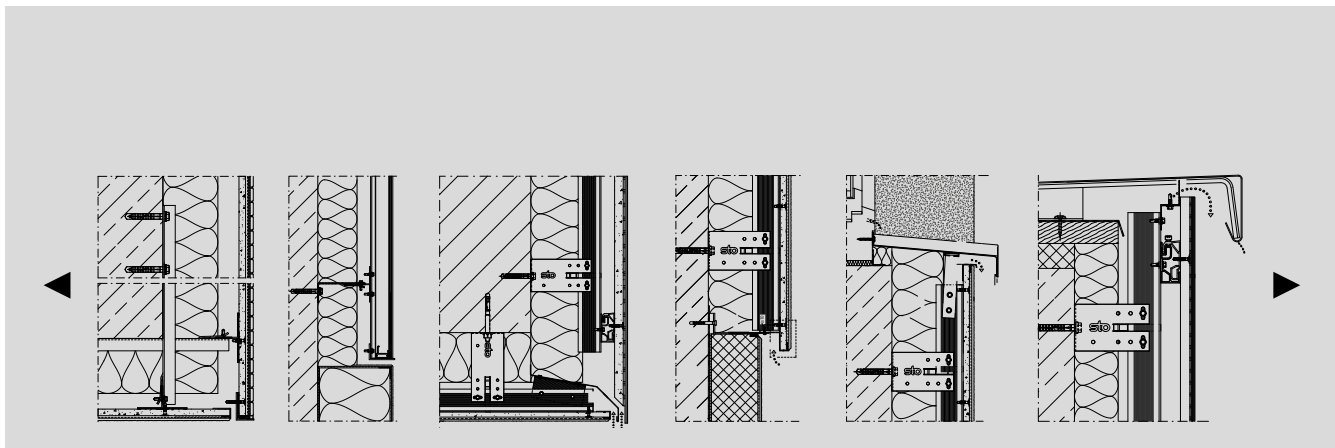


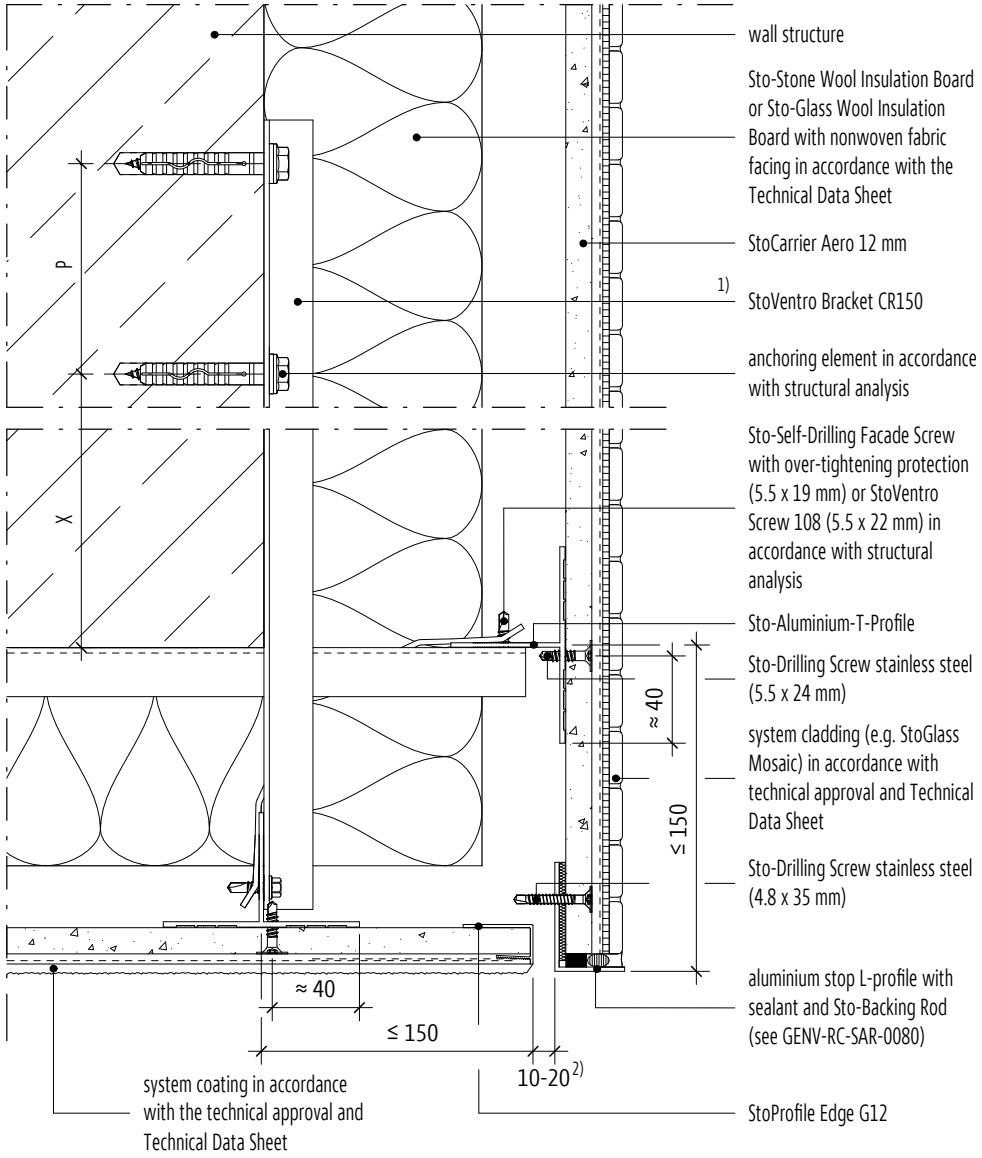
Material transitions with Sto Ventec

Ventilated rainscreen cladding systems

Changes of material on a facade are not just a technical necessity – they characterise the ultimate appearance of the architecture. For our RSC systems, we offer a wide range of tried-and-tested standard detail solutions for a wide variety of transition scenarios. These often serve as the perfect starting point for jointly developing bespoke solutions tailored to specific projects.

Let the following pages inspire you: discover exciting construction projects and matching design ideas from our portfolio.





P	minimum pair distance in accordance with the approval of the anchoring element and structural analysis
X	minimum distance to the building shell edge in accordance with the approval of the anchoring element and structural analysis

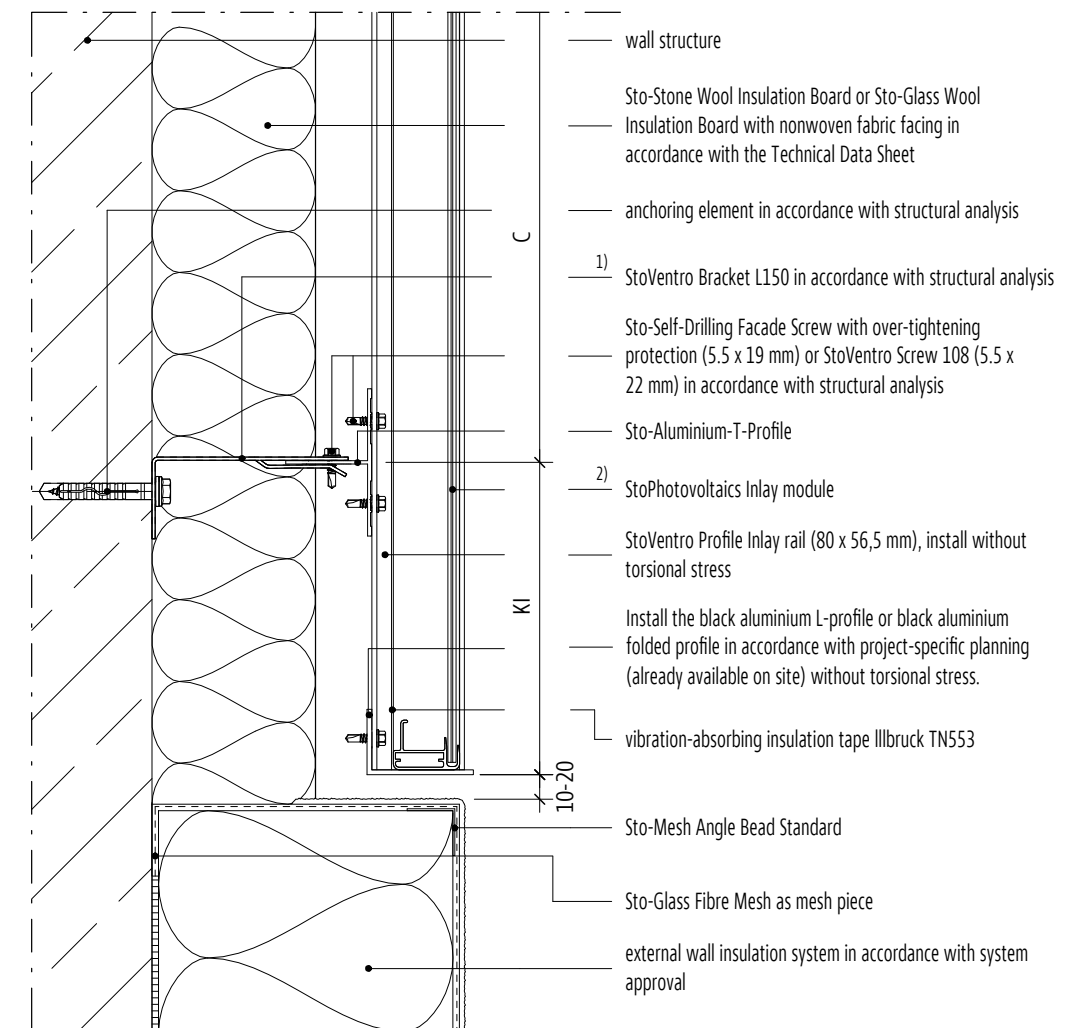
- 1) alternative: StoVentro Bracket CR350
2) Ensure channel flow on lintel and ceiling areas below the open joints, e.g. securing with flashing.

Florair Brussels/Jette, BE

Building owner: Lojega, Ganshoren, BE
Architecture: Atelier Kempe Thill Architects & Planners, Brussels, BE
Specialised trade: Cemco, Temse, BE
Sto proficiency: rainscreen cladding facade (StoVentec), rendered surface (StoSignature Texture: Rough 1/StoSilco® K 1.0 and 1.5), mosaic tiles (StoGlass Mosaic colour shade Mocca 008, K10)
Photos: Ulrich Schwarz, Berlin, DE

Construction project requirements
Connection of an external corner, transition between render coating and rigid cladding

Sto inspiration detail
Detail no.: Sto-HQ-EN_P25177_2026-05-05
Detail solution category: external wall/system transition



Town centre development Markersdorf, AT

Building owner: Marktgemeinde Markersdorf a. Pielach, AT

Architecture: Arch. Christian Galli, Krems, AT

Specialised trade: Cemco, Temse, BE

Sto proficiency: rainscreen cladding facade (StoVentec Photovoltaics Inlay), external thermal insulation composite system (StoTherm), rendered surface (StoSignature Texture: Rough 1)

Photos: Romana Fűrnkranz, Architekturfotografie, Gerasdorf-Wien, AT

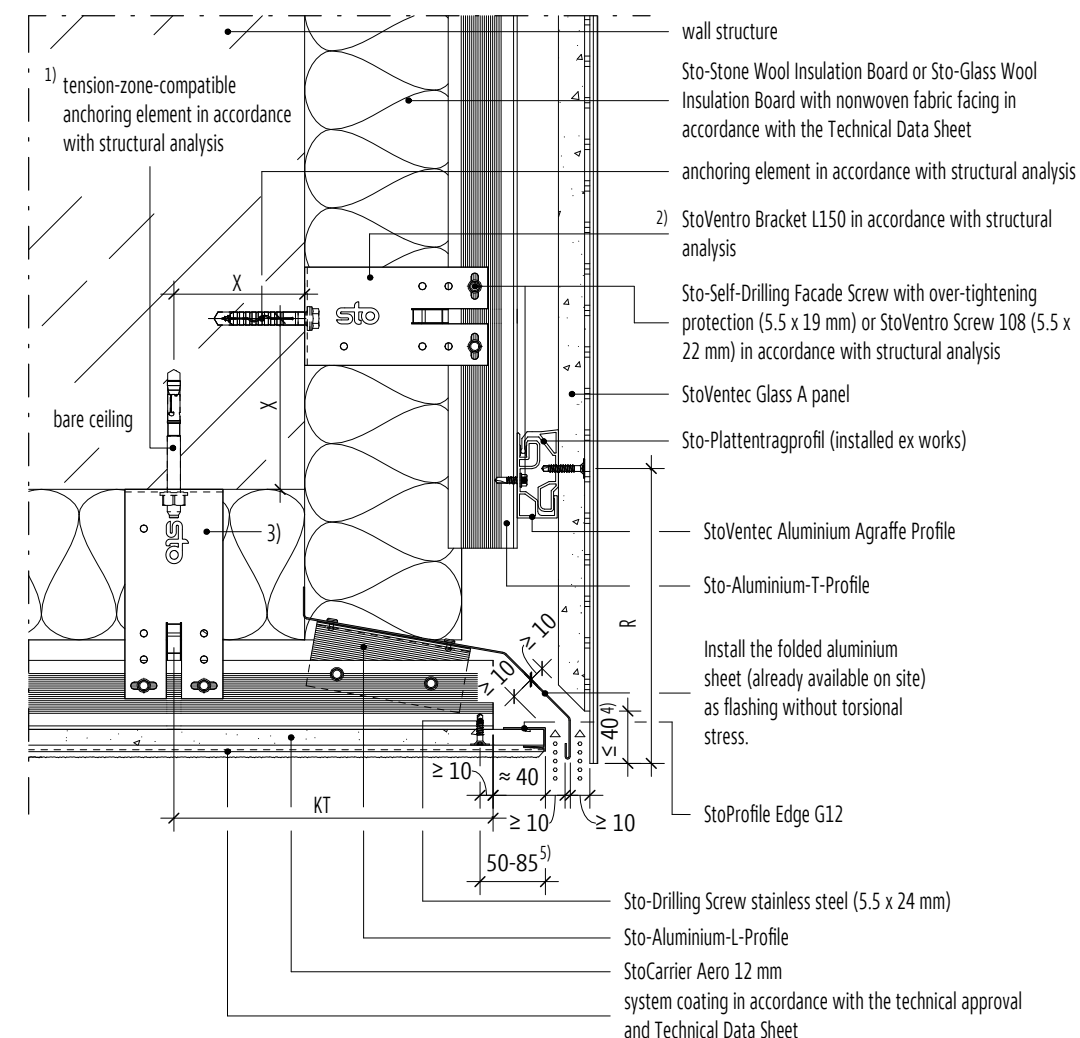
Construction project requirements

Transition flush with the facade between PV facade and external thermal insulation composite system

Sto inspiration detail

Detail no.: Sto-HQ-EN_VIL-SAR-0242_2025-07-01

Detail solution category: external wall/system transition



Building owner: Bundesimmobiliengesellschaft m.b.H., Wien, AT
Architecture: Atelier Thomas Pucher, Graz, AT
Specialised trade: Schaunigg GmbH & Co. KG, Vorau, AT (Kunst am Bau); Pichler GmbH, Passail, AT; Hubert Wolf GmbH, Wies, AT (StoVentec R); Metallica Stahl- und Fassadentechnik, Weiz, AT (StoVentec Glass)
Sto proficiency: rainscreen cladding facades (StoVentec R, here ceiling application, StoVentec Glass)
Photos: Christian Schellander, Villach, AT

Construction project requirement: connection of soffit to vertical glass facade

Sto inspiration detail
Detail no.: Sto-HQ-EN_VR-SAR-1016_2026-01-01
Detail solution category: ceiling

Kontakt

Sto Scandinavia AB
kundkontakt.se@sto.com
www.sto.se

Observera att samtliga beskrivningar och ritningar endast är exempel för inspiration. För korrekta ritningar och teknisk information, se sto.se eller kontakta oss.