

Sto Canada Assured Performance Warranty

Protect Your Building and Yourself

A comprehensive 10-year warranty program designed to assure building owners that their StoTherm ci cladding will be installed and perform correctly



StoTherm ci Insulated Wall Cladding



- 1)
- 2) StoGuard waterproof air barrier
- Vertical adhesive ribbons 3)
- Sto EPS insulation board 4)
- Sto reinforcing mesh 5)
- Sto basecoat embedded in mesh 6)
- 7) Sto primer (optional)
- 8) Sto decorative and protective finish

For information about the **Sto Assured Performance Warranty** contact Sto Corp. at 800-221-2397 or visit us on the web at www.stocorp.ca



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General Description

The Sto Assured Performance Warranty (the "Warranty") is a comprehensive materials and workmanship warranty. It is available for new commercial construction projects with StoTherm ci Insulated Wall Cladding, provided certain conditions are met, including plan review by Sto Corp., installation by listed cladding installers (who execute the separate Listed Cladding Installer Quality Assurance Agreement), third-party inspection by a qualified EIFS inspection company, and a fee, payable to Sto Corp. The Warranty is not available for residential construction. The Warranty provides remedies to building owners in accordance with its terms, including for localized damage in the event of a manufacturing defect in materials furnished by Sto Corp., or installation defects by the listed cladding installer. The listed installer indemnifies Sto for remedies due to installation defects through the Listed Cladding Installer Quality Assurance Agreement on each APW project. The Warranty, backed by Sto Corp. is for a period of ten years and can be extended for an additional five or ten year period in accordance with its terms. The Warranty is also transferable in accordance with its terms.

Features	Benefits
 Backed by Sto Corp., the world's largest manufacturer of insulated wall cladding Warrants materials and installation 	 Established, financially sound company backs the Warranty Available coverage in the event of manufacture or installation defects
• Warranty cost generally a small fraction of total cost of construction.	Additional peace of mind at a small price
 Built-in "quality assurance" ISO 9001 Certified Manufacturer Plan Review by Sto Corp. Pre-Installation Conference Listed Cladding Installers Third-party qualified EIFS inspectors General Contractor Statement of Conformance 	 Assures quality materials and installation Identifies and addresses installation issues before they become costly problems
Redundant moisture protection	• Prevents water infiltration through exterior cladding in the event of a breach
Rainscreen wall design	Reduces risk of rain water infiltration
• Transferable	Creates additional value
• Extendable	• Warranty protection available for up to twice the original ten year period

Warranty Features and Benefits:



Coverage and Limits

Applicable to:

- New commercial construction
- Concrete, masonry, Dens-Glass[®] Gold or exterior grade plywood substrates

Not applicable to:

- Residential construction
- Oriented Strand Board substrates

Outline of Warranty Coverage and Limits¹:

#	Item	Sto Assured Performance Limited Warranty
1.	Manufacture and Installation Defects (what is covered)	 Damage to the substrate caused by rain water penetration through StoTherm ci Insulated Wall Cladding Blistering, peeling, flaking, delaminating, rust, checking, crazing, chipping
2.	Remedies	 Replacement material and labor to repair or replace Sto material found to be defectively manufactured or installed Repair or replace blisters, peeling, flaking, delamination, rust, checking, crazing or chipping, or sheathing damage due to rain water penetration through the StoTherm ci Insulated Wall Cladding, caused by defectively manufactured or installed Sto material.
3.	Exclusions (what is not covered)	 Installation by non-listed cladding installers Incidental, consequential, indirect, special and punitive damages, including, but not limited to loss in property value or rental fees, lost profits, and personal injury or hardship, regardless of cause Damage caused by building design (other than the specific insulated cladding designs approved by Sto Corp.), engineering, or construction; HVAC equipment, doors, windows, roofs and other building components or products beyond the Sto Corp. material; plumbing, electrical or other trades beyond the installation of the Sto Corp. materials; products not sold or furnished by Sto Corp.; and settlement or structural movement, ground water, water run-off from roofs, insect infestation, animal attack, pests, alterations after completion date, improper or inadequate maintenance, vandalism, chemical fumes, falling objects, projectiles, algae, mold or mildew, terrorism, vandalism, civil disobedience, fire, war, or acts of God including, but not limited to, earthquakes, floods, hail, tornadoes, lightning, hurricanes, or the like. Any other damage not caused solely or directly by a manufacturing defect in the materials furnished by Sto Corp. or their installation
4.	Limits	 Material and labor cost to repair or replace defectively manufactured or installed Sto material
5.	Effective Date	Date of completion of installation of StoTherm ci Insulated Wall Cladding
6.	Duration/Exten- sion	• 10 years with option to purchase additional 5 or 10 years in accordance with the terms of the Warranty. Extension is at the discretion of owner and Sto Corp.
7.	Transferable	• Yes

¹ Please refer to the Warranty for its complete terms of coverage and limitations.



Sto Assured Performance Warranty

Project Name / Address:				
Owner:				
General Contractor:				
EIFS Inspector:				
Listed Cladding Installer:				
Distributor:				
Date of Completion:	Sto Cladding Area (ft ²):			
Warranty Period:	Warranty Issue Date:			

THIS IS A WARRANTY

WHICH DEFINES THE EXCLUSIVE BENEFITS AND RESPONSIBILITIES OF THE PARTIES. PLEASE READ IT.

Upon its receipt of the required fee, Sto Corp. ("Sto") warrants that for the Warranty Period stated above running from the Date of Completion stated above, StoTherm ci Insulated Wall Cladding ("StoTherm ci"), when installed by a listed cladding installer, inspected by a qualified third-party EIFS inspection company, made the subject of a plan review by Sto, and properly maintained by a building owner that also properly maintained adjacent wall components, shall not as a result of a defect in the manufacture of any one or more StoTherm ci components, or faulty installation, allow damage to the substrate from rain water penetration through its face, or blister, peel, flake, rust, check, chip, craze, or delaminate..

In the event that a defect in the manufacture of any one or more StoTherm ci components, or faulty installation, causes rain water penetration through StoTherm ci resulting in damage to the substrate, or blistering, peeling, flaking, rust, checking, chipping, crazing, or delamination, Sto shall, at its own expense, be responsible to repair, replace, or remedy the manufacturing defect or faulty installation allowing the rain water penetration that damaged the substrate, or the blistering, peeling, flaking, rust, checking, chipping, crazing, or delamination. In no case shall the cost of the repair, replacement or remedy exceed the replacement cost of the StoTherm ci Insulated Wall Cladding with equivalent Sto cladding at the time the manufacturing defect or faulty installation was discovered.

Sto shall not be responsible for any damage beyond damage to the substrate as a result of rain water penetration through the face of StoTherm ci caused by a defect in the manufacture of any one or more components of StoTherm ci, or faulty installation, or blistering, peeling, flaking, rust, checking, chipping, crazing, or delamination caused by a defect in the manufacture of any one or more components of StoTherm ci or faulty installation. Sto shall not under any circumstances be responsible for incidental, consequential, indirect, special or punitive damages including, but not limited to loss in property value or rental fees, loss of profits, or personal injury or hardship, regardless of cause. Without limiting the foregoing, Sto shall not be responsible for damage, including damage to the substrate, blistering, peeling, flaking, rust, checking, chipping, crazing, or delamination caused by building design, engineering or construction; HVAC equipment, doors, windows, roofs and other building components or products beyond StoTherm ci and its components; plumbing, electrical or other trades beyond the installation of the StoTherm ci; products not sold or furnished by Sto; settlement or structural movement, ground water, water run-off from roofs, insect infestation, animal attack, pests, alterations after completion date, improper or inadequate maintenance, vandalism, chemical fumes, falling objects, terrorism, vandalism, civil disobedience, fire, war, acts of God, including but not limited to, earthquakes, floods, hail, tornadoes, lightning, hurricanes, or the like, nor any other damage beyond damage to the substrate caused by rain water penetration through the face of the StoTherm ci caused by a defect in the manufacture of any one or more components or faulty installation, or blistering, peeling, flaking, rust, checking, chipping, crazing, or delamination caused by a defect in the manufacture of any one or more components of StoTherm ci or faulty installation. The building owner shall promptly notify Sto in writing of any damage to the building not covered by this Warranty, following which the building owner shall promptly repair that damage at the building owner's sole cost and expense.

STO ASSURED PERFORMANCE WARRANTY (continued)

Sto makes no warranty, express or implied, with respect to StoTherm ci, or any one or more of its components, except as expressly stated herein. THIS EXPRESS WARRANTY IS EXCLUSIVE AND IN LIEU OF ALL OTHER WARRANTIES OF ANY NATURE WHATSOEVER EXCEPT TITLE, WHETHER ORAL, WRITTEN, EXPRESS OR IMPLIED OR IMPOSED BY LAW, PARTICULARLY THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR ANY PARTICULAR PURPOSE. This Warranty shall be interpreted under the terms of the Uniform Commercial Code or a successor law thereto, as interpreted by the state of Georgia (USA), and the laws of the state of Georgia (USA) shall also govern this Warranty for all other purposes. Since the goods are building materials and are not intended to be sold to a consumer, except as part of real estate or as a major addition thereto, this Limited Warranty is not intended to apply to any party constituting a consumer, as such term is defined by the Magnuson-Moss Warranty Act.

Sto shall not have any obligation under this Warranty unless the Owner or other authorized party making the claim makes the claim to Sto in writing, at 3800 Camp Creek Parkway, Building 1400, Suite 120, Atlanta, Georgia 30331, ATTN: Warranty Services, within 30 days of discovery of the alleged basis for the claim. Sto or its designee(s) shall thereafter be afforded a reasonable opportunity to investigate the claim, including to remove samples from the building and to perform any testing Sto and/or its designee(s) deems necessary. The Owner shall provide and cause any necessary temporary repairs to be performed in a timely manner to prevent damage or further damage to the building or until the cause for the claim is determined and any necessary permanent repair is implemented.

This Warranty shall be of no effect unless, in addition to the conditions stated herein, it is signed by an authorized representative of the Owner and Sto. This Warranty is transferable to any future Owner of the building, within the Warranty period, provided that Sto is promptly notified in writing of the transfer by the Owner holding the Warranty.

Owner:	_Title:	Date:
Authorized Representative		

Sto Corp:____

Title:

Date:

Authorized Representative



General Responsibilities²



 $^{^{2}}$ The following flow chart depicts in summary fashion anticipated roles and responsibilities for project design, supervision, execution of work, and quality control. Actual roles and responsibilities for any project will be governed by the contract documents for that project.



Approximate Costs

(Warranty administration and third-party inspection)

Exterior Cladding SQFT	Inspection Points*	Cost Estimate**
0 – 10,000	 Preconstruction*** Air & Moisture Barrier Base Coat Final*** 	\$5,000 - \$7,000
10,000 – 25,000	 Preconstruction*** Air & Moisture Barrier 1 Air & Moisture Barrier & Insulation Base Coat Final*** 	\$7,500 - \$12,500
25,000 – 50,000	 Preconstruction*** Air & Moisture Barrier 1 Air & Moisture Barrier 2 Base Coat & Insulation*** Base Coat 2 Final*** 	\$13,000 - \$15,000
Above 50,000	 Preconstruction*** Air & Moisture Barrier 1 Air & Moisture Barrier 2 Base Coat & Insulation*** Base Coat 2 Final*** 	\$5,000 + \$0.20/SQFT
		Table 1.

* Individual inspection points may require multiple site visits by the third-party EIFS inspection company.

** Additional inspection costs due to installation deficiencies will be charged to the listed cladding installer.

*** Sto representative must conduct site visit during these inspection points.



Building Owner and Architectural Design Requirements

Building Owner Requirements

- Accept terms and conditions of Warranty
- Pay warranty administration and third-party inspection costs to Sto Corp. (see Table 1)
- Pay mock up test costs
- Perform normal and reasonable maintenance on the building and perform maintenance on the exterior cladding in accordance with the StoTherm ci Maintenance Guide provided by Sto Corp.
- Notify Sto Corp. in writing of defectively manufactured or improperly installed Sto materials upon discovery
- Protect building from damage upon discovery of defectively manufactured or improperly installed Sto materials
- Notify Sto Corp. in writing in the event of transfer of warranty
- Pay fee to extend Warranty in accordance with terms of Warranty

Architectural Design Requirements

- Specify StoTherm ci Insulated Wall Cladding
- Specify adjacent construction components consistent with Sto guide specifications and details (i.e, windows with sill flashings or subsill assemblies, sealant in compliance with applicable ASTM standards, and compatible air seals to dissimilar materials)
- Conform to:
 - Applicable Canadian and Provincial building code requirements (e.g., ULC S716)
 - Details consistent with ECC (EIFS Council of Canada) industry requirements
 - Details consistent with Sto Corp. details
 - Recommendations of plan review by Sto Corp.



General Contractor and Listed Cladding Installer Requirements

General Contractor Requirements

- General liability insurance (as required by owner)
- Construct in accordance with all applicable codes
- Prepare details in accordance with plans and specifications as set forth by design professional and recommended by Sto Corp. (as outlined in plan review or other written correspondence)
- Coordinate and construct base wall for mock up panel construction or test wall
- Notify parties—Design Professional, Cladding Installer, Sto Corp., 3rd Party or other Inspector—in the event of inconsistencies, ambiguities, or non-conforming work
- Sign and submit statement of conformance for issuance of Sto Corp. Warranty
- Schedule cladding pre-installation conference with Listed Cladding Installer, Sto Corp., Window Manufacturer and Installer, Sealant Manufacturer and Installer, and other related trades.

Listed Cladding Installer Requirements

- General liability insurance (as required by Listed Cladding Installer Quality Assurance Agreement)
- EIFS business for a minimum of 5 years, with experience on EIFS projects of similar size and scope
- Obtain and maintain a customer account in good standing with Sto's local distributor
- Provide minimum 3 job references at minimum 5,000 SF each
- Sign and submit Warranty Request Form
- Execute Listed Cladding Installer Quality Assurance Agreement with Sto Corp. agreeing to:
 - Execute Sto Listed Cladding Installer Agreement
 - Follow Sto details, specifications and and written instructions for the installation of StoTherm ci Insulated Wall Cladding
 - Take initial training at its own expense and include principals and at least two key field personnel
 - Have at least one key field person on the job at all times to supervise work
 - Comply with terms of Warranty
 - Remedy non-conforming work
 - Participate in continuing education as deemed necessary by Sto Corp.
 - Notify Sto Corp. in the event of ambiguities or unresolved installation issues



Sto Distributor and Sto Corp. Requirements

Sto Distributor Requirements

- Identify listed cladding installer candidates based on quality work and orientation
- Purchase and furnish Sto Corp. materials
- Collect and submit Warranty Request Form and general contractor Statement of Conformance from listed cladding installer
- Provide facility and amenities for off-site training

Sto Corp. requirements

- Identify listed cladding installers and provide initial training
- Assess cladding installer performance for "listed" status
- Provide plan review
- Participate in pre-installation meeting
- Furnish StoTherm ci Insulated Wall Cladding materials to Sto Corp. distributor
- Assist in resolution of conflicting or ambiguous requirements during construction
- Furnish and sign Warranty in accordance with its terms
- Comply with terms of Warranty



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StoTherm ci Insulated Wall

Cladding Short Form Guide

Specification 100G Section 07240

Please contact your Sto rep for the most recent version of: StoTherm ci specification for APW Projects.



StoTherm ci Insulated Wall Cladding Installation Instructions

(Note: the air/moisture barrier described below is one component in the air barrier system and the moisture protection for the structure. Installation of the air/moisture barrier must be integrated with flashing and other air and moisture barrier components to ensure that where water is likely to penetrate the wall assembly, it will be drained to the exterior at the source of the leak. Proper air barrier connections and integration of the moisture barrier with flashing through sequencing of work and coordination of trades is necessary for a complete air barrier system and complete moisture protection.)

Please contact your Sto rep for the most recent version of: Sto Installation Guide for APW Projects.



Sequence of Work



StoTherm ci Insulated Wall Cladding Critical Detail Checklist for Wall Assemblies



D 1. Terminate grade 8" below cladding



D 2. Provide flashing at decks



D 3. Provide diverter flashing at roof/sidewall terminations



D4. Provide flashing over build-outs



D 5. Protect rough openings



D 6. Provide sill flashing beneath windows and doors



D 7. Provide head flashing above windows and doors



D 8. Seal around window and door penetrations



D 9. Seal around wall penetrations



D 10. Provide joints at required locations and seal where necessary



D 11. Provide coping over parapets



D 12. Provide saddle flashing at lower/higher walls



January 2015

StoTherm ci Insulated Wall Cladding **Installation Checklist**

Location: Job Name: Inspection Item Description No. Conformance Yes No **Pre-Construction*** Verify roles and responsibilities Verify sequencing of work Verify conformance of details Verify dew point analysis and location of vapour retarder (if needed) Terminations at grade Ultra-High impact resistance 2 Window and door sill flashing 3 4 Window and door head flashing Roof/Wall diverter flashing 5 Saddle Flashing 6 Location of expansion joints 7 Slope and thickness of trim features 8 9 Parapet or eave condition 10 Expansion joints with sealant and sealant at all penetrations and attachments through system

Notes *(include names of attendees at pre-construction meeting, i.e., cladding installer, window manufacturer and installer, sealant manufacturer and installer, framing and sheathing contractors, manufacturer and installer of other penetrating components, and Sto Corp. representative):

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Date: _____ Inspected by: _____

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StoTherm ci Insulated Wall Cladding Installation Checklist

Job Name:_____Location:_____

No.	. Inspection Item Description Cont		onformance	
		Yes	No	
	Site Conditions			
1	Material Storage – verify adequacy of material storage areas and that materials are properly stored.			
2	Substrate – verify that the substrate is correct, substrate condition is clean, dry, free from defects, in plane, and verify substrate installation and attachment in conformance with manufacturer's recommendations.			
	Moisture Protection			
3	StoGuard – verify protection of rough openings in conformance with Sto Detail 10.23a. Note if any areas of sheathing are not covered with StoGuard material.			
4	Verify air barrier connections to other components of construction – joints, roof, windows, foundation, wall penetrations, other cladding materials.			
5	Flashing – note critical flashing locations on the structure and verify that flashing is present. Verify that flashing end dams are incorporated into the flashing material beneath windows and doors.			

Notes:

Date: _____ Inspected by: _____



StoTherm ci Insulated Wall Cladding Installation Checklist

Job Name:_____Location:_____

No.	Inspection Item Description	Conform	ance
		Yes	No
	Installation		
1	Backwrapping – verify the presence and attachment of backwrap reinforcing mesh		
	(Sto Detail Mesh) at system terminations prior to the application of EPS board.		
	Adhesive Installation		
2	Verify application of adhesive in the vertical direction with proper size notched		
	trowel.		
	EPS Board Installation		
3	Verify minimum 6" overlap of sheathing joints.		
4	Verify EPS board joints tightly abutted.		
5	Verify EPS board joints staggered.		
6	Verify EPS boards interlocked at inside and outside corners.		
7	Verify "L" cut of EPS board around openings.		
8	Verify adequate attachment of EPS board by pulling freshly applied board and		
	checking for roughly equal amount of adhesive on substrate and on EPS board.		
9	Verify termination of EPS board with proper gap at abutting elements such as		
	windows, doors, other penetrations, and at expansion joints.		
10	Verify proper thickness of EPS board at reveals (minimum _") and projecting		
	features (maximum 4") and proper slope (minimum 27°).		
	Rasping and Slivering of EPS Board		
11	Identify areas of EPS board joints that must be slivered or filled with spray foam.		
12	Verify that entire EPS board surface has been rasped.		
	Base Coat and Mesh Installation		
13	Verify full embedment of backwrap reinforcing mesh along edges – no voids, or mesh colour visible.		
14	Verify installation of diagonal mesh strips at corners of all openings.		
15	Verify installation of Sto ArmorMat with butt joints at areas indicated on drawings.		
16	Verify reveals reinforced with mesh and no excess base coat.		
17	Verify mesh overlaps of minimum 2 ¹ / ₂ ".		
18	Verify double mesh or Corner Mat reinforcement at corners.		
19	Verify no mesh colour visible in the completed base coat application.		
	Primer Application		
20	Verify complete coverage of base coat with primer.		
	Finish Application		
21	Verify finish application in advance of direct sunlight exposure and working a wet		
	edge toward the unfinished area.		
22	Verify consistency of texture and colour with sample or mock-up.	1	1
23	Verify finish not installed into or over construction joints.		

Date: _____ Inspected by: _____



StoTherm ci Insulated Wall Cladding Installation Checklist

Job Name: Location:

No.	Inspection Item Description	Conform	nance
		Yes	No
	Sealants		
1	Verify priming (if required) of joint surfaces.		
2	Verify properly sized backer rod installed to proper depth in joint.		
3	Verify installation of sealant to base coat and tooling of sealant.		
	Final Inspection		
1	Verify flashings extend beyond the outer face of the wall.		
2	Verify sealants are in place at system terminations and are fully adhered to joint surfaces.		
3	Verify uniform appearance of finished wall surface.		
4	Note dirt accumulation or physical damage that may have occurred during construction.		
5	Verify that at least one pail of finish is on hand or stored for touch-up and colour matching in the event of future repairs or additions.		
6	Verify removal of construction materials and equipment, and waste material.		

Notes:

Date: _____ Inspected by: _____

Assured Performance Warranty



General Contractor Statement of Conformance				
For Sto Assured Performance Warranty				
Job Name/Location:		-		
Owner:				
General Contractor:		Authorized Representative:		
Sto Listed Installer:				
Date of Completion:		SF:		
D1.Termination of Grade Below Cladding	1	D7. Head Flashing Above Windows		
D 2. Flashing at Decks		D 8. Seal Around Window and Door Penetrations		
D 3. Diverter Flashing at Roof/Sidewall Terminations		D 9. Seals Around Wall Penetrations		
D 4. Flashing over Build-Outs		D10. Joints at Dissimilar Material and Other Required Locations		
D 5. Protection of Rough Openings		D11. Coping over Parapets		
D6. Sill Flashing Beneath Windows and Similar Through Wall Penetrations		D 12. Saddle Flashing at Lower/Higher Wall Intersections		
The details identified above have bee	en executed in confor	mance with sound construction practice:		

Signature of Authorized Representative

Date:

General Contractor:

Sto Assured Performance Warranty Request Form

Project Name / Address:	
Owner:	
General Contractor:	
EIFS Inspector:	
Listed Cladding Installer:	
Distributor:	
Completion Date:	Sto Cladding Area (ft ²):

STATEMENT OF CONFORMANCE: The StoTherm ci Insulated Wall Cladding has been installed in conformance with Sto Specification 100G and the installation instructions of Sto Corp.:

Listed Cladding Installer	Authorized Representative of Installer		Date
2		1)	Structural wall assembly
	0	2)	StoGuard waterproof air barrier
	5	3)	Vertical adhesive ribbons
sto	0	4)	Sto EPS insulation board
	8	5)	Sto reinforcing mesh
		6)	Sto basecoat embedded in mesh
	A STREET STREET	7)	Sto primer (optional)
		8)	Sto decorative and protective finish
Forward Warranty to:			
Owner:			
Address:			
City:		Prov	
Postal Code:			



Notes



Sto Canada Ltd.

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