



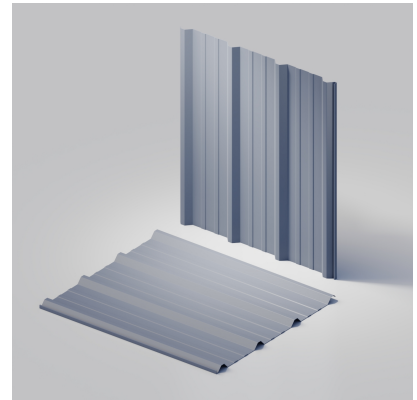
TECHNICAL PUBLICATION SYSTEM

TerraCrest Roof and Wall Panels: Project Planning and Field Coordination

A project-planning and field-coordination reference. Roof supply is engineered-project scope and requires approved project documents before fabrication.

TS-INS-310
Issue 01 | Revision 04
2026-09-11

Products covered
TerraCrest 100 (TS-S500-CR) and TerraCrest 200 (TS-R100-RF)



TerraCrest 200 product render. Basis: verified packaged product artwork.
Source: Terrashield current technical-guide asset library.

Contents, authority and related documents

Use this guide to organize project inputs, approvals, hold points and field records for TerraCrest 100 and TerraCrest 200.

Page	Section
3	Product identification
4	Long-panel receiving, handling and storage
5	Roof prerequisites and engineering hold point
6	Roof layout, drainage and interface coordination
7	Roof edge, opening, penetration, closure and lap requirements
8	Wall orientation and interface coordination
9	Project-specific fasteners, joints, cutting and swarf
10	Field inspection, nonconformance, closeout and revision register

Document authority

Applicable code and permit requirements, sealed project design, approved shop drawings, released schedules and written project instructions govern the work. This publication identifies coordination inputs and does not complete the project design.

ROOF FABRICATION GATE

TerraCrest roof supply is engineered-project scope. Fabrication may proceed only after the project team has issued approved documents defining the roof assembly and all required project values.

RELATED DOCUMENTS

TS-DAT-210 | Current Product and Material Data Guide

TS-CAR-200 | Product Care and Maintenance Guide

TS-WAR-100 | Conditional Coating and Product Warranty

TS-INS-300 | Architectural Wall Panels: Installation Planning and Field Coordination

Current records: <https://www.terrashield.ca/technical-documents>

Product identification

Confirm profile, substrate, BMT/tolerances, finish, batch, dimensions and order. Common steel gauges are 22/24/26ga, not universal limits; broader supply requires forming review. Geometry is not capacity.

Product	Code	Verified source drawing identifiers
TerraCrest 100	TS-S500-CR	914 mm coverage; 1090 mm feed width; 19.05 mm depth; 228.6 mm (9 in.) major-rib spacing; 15 mm rib top; 48 mm rib base; 25 mm edge details
TerraCrest 200	TS-R100-RF	915 mm nominal coverage; 1090 mm feed width; 31.75 mm depth; 305 mm (12 in.) major-rib spacing; 222 mm flat width; 25, 10, 83 and 18 mm edge/rib details

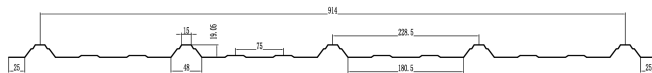


Figure 1. TerraCrest 100 dimensioned source profile drawing.
Basis: Exact source profile drawing for product identification; dimensions are millimetres. Source: Terrashield current technical-guide asset library, terracrest-100.png.

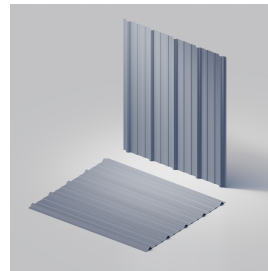


Figure 2. TerraCrest 100 product render.
Basis: Verified packaged render; visual identification only. Source: Terrashield current technical-guide asset library, terracrest-100.jpg.

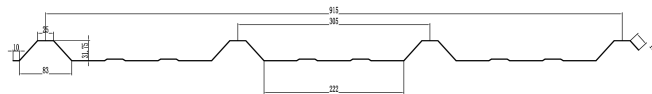


Figure 3. TerraCrest 200 dimensioned source profile drawing.
Basis: Exact source profile drawing for product identification; dimensions are millimetres. Source: Terrashield current technical-guide asset library, terracrest-200.png.

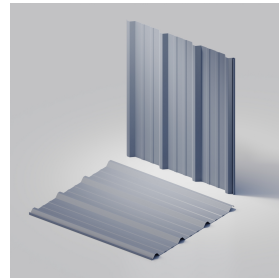


Figure 4. TerraCrest 200 product render.
Basis: Verified packaged render; visual identification only. Source: Terrashield current technical-guide asset library, terracrest-200.jpg.

IDENTIFICATION BOUNDARY

Do not derive support, attachment, joint, assembly or performance values from these drawings or renders. Confirm the exact profile on every approved drawing and material release.

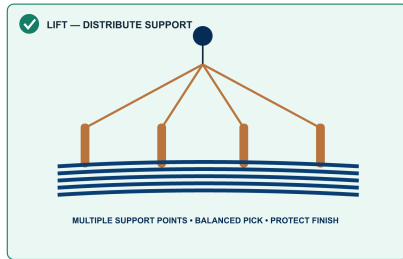
Long-panel receiving, handling and storage

Plan unloading and storage around the supplied lengths, bundle weights, site access, lift equipment and protected staging area.

Bundle lifting — multiple support points

Lift evenly with a planned rig; never drag coated panels

BASIS — CONCEPTUAL SAFE-HANDLING PRINCIPLE



Lift plan, equipment capacity, sling protection and pick spacing must suit the actual bundle and site.

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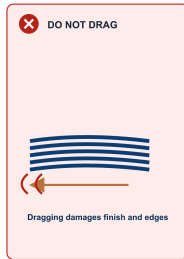


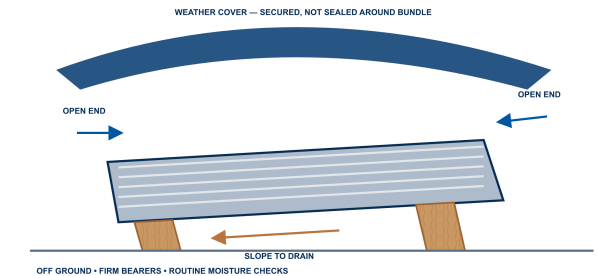
Figure 5. Generic long-bundle lifting concept.

Basis: Conceptual handling illustration; lifting plan and equipment remain project-specific. Source: Terrashield deterministic illustrations-v2 library, item 05.

Ventilated sloped dry storage

Keep bundles dry, off the ground, sloped to drain, covered above and open at the ends

BASIS — CONCEPTUAL STORAGE PRINCIPLE



Storage duration, cover type, bearer spacing and site anchorage remain project-specific.

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Figure 6. Generic ventilated, sloped storage concept.

Basis: Conceptual storage illustration; site conditions and supports remain project-specific. Source: Terrashield deterministic illustrations-v2 library, item 06.

Stage	Required coordination and record
Before delivery	Confirm route, turning radius, unloading zone, bundle dimensions and weights, equipment capacity, lifting points, weather protection and responsible supervisor.
At receipt	Keep bundles staged while labels, profile, finish, gauge, lengths, quantities and visible condition are compared with shipping and order records. Photograph discrepancies.
Handling	Use the approved lift plan and adequate support for panel length. Avoid dragging, uncontrolled bending, edge impact and contact with dirty forks, slings or worktables.
Storage	Keep bundles off the ground on aligned supports, sloped to drain, dry and ventilated. Loosely cover outdoor storage while allowing air movement. Separate wet sheets promptly.
Release to workface	Confirm destination, safe access, wind controls, panel orientation and protection of completed work before opening or moving bundles.

RECEIVING HOLD POINT

Quarantine wet, damaged, mismatched or unlabelled material until the condition is documented and a written disposition is issued.

Roof project prerequisites and engineering hold point

Roof planning starts with a complete engineered project release, not with a generic installation sequence.

Project input	Approved record required before fabrication
Design basis	Applicable code, design criteria, project loads and delegated-design responsibilities identified by the project engineer.
Roof geometry	Dimensioned roof plan, slopes established by design, ridge/hip/valley/eave/rake geometry, elevations, drainage direction and panel lengths.
Support assembly	Support type, material, orientation, locations, tolerances, continuity, transitions and acceptance criteria.
Panel release	Exact substrate, decimal BMT/tolerances, finish, dimensions, quantities, profile/forming compatibility and accepted order. Actual zinc: separate millimetre thickness and material review.
Attachment and joints	Specified fastener system, exact locations and spacing by zone, support engagement, side/end conditions, movement provisions and inspection method.
Interfaces	Approved details for edges, ridges, hips, valleys, openings, curbs, penetrations, transitions, membranes, closures, sealants and adjacent materials.
Access and safety	Construction access, fall protection, material distribution, lifting, temporary weather protection and any approved loading or access provisions.

Engineering hold point

Project design authority

Confirms the engineered assembly, project criteria, details, schedules and changes are coordinated and approved for release.

Terrashield fabrication release

Confirms accepted profile, material, finish, lengths, quantities, fabrication data and current approved document revision.

If a required value or detail is absent, contradictory or revised after release, stop the affected work and route the question through the project document-control process. Record the response before fabrication or concealment.

Roof layout, drainage and interface coordination

Coordinate the roof as a set of approved zones, drainage paths and interfaces. Real product visuals below identify the supplied profiles and do not depict a panel sequence.

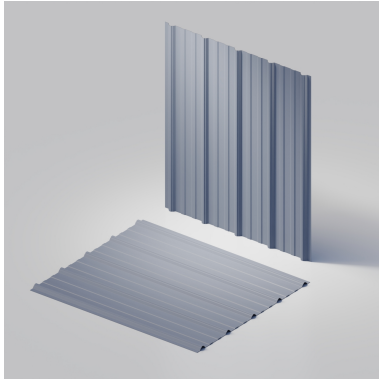


Figure 7. TerraCrest 100 real product visual.
Basis: Verified packaged render used for profile recognition; no roof sequence or detail is depicted. Source: Terrashield current technical-guide asset library, terracrest-100.jpg.

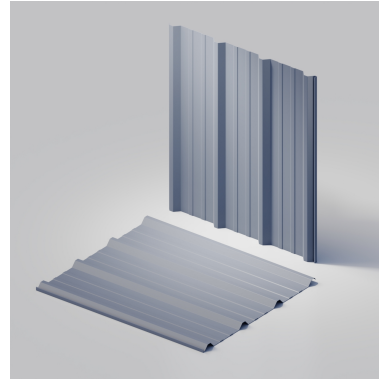


Figure 8. TerraCrest 200 real product visual.
Basis: Verified packaged render used for profile recognition; no roof sequence or detail is depicted. Source: Terrashield current technical-guide asset library, terracrest-200.jpg.

Coordination zone	Structured project requirement
Roof field	Set survey datum, roof-plane dimensions, design slope and drainage direction; reconcile structure, support and panel-length information.
High points	Coordinate ridge, hip, upper termination, ventilation and membrane interfaces using approved details and sequencing responsibilities.
Low points	Coordinate eaves, valleys, gutters, sumps and discharge paths; protect designed drainage paths from debris and conflicting work.
Edges	Resolve rake, perimeter, coping and adjacent wall or roof transitions with dimensions, materials, support and termination responsibilities.
Openings and equipment	Locate curbs, hatches, skylights and service zones from coordinated drawings before fabrication; verify dimensions and support.
Penetrations	Consolidate and dimension services; coordinate sleeves or curbs, support, movement, membrane tie-in, access and responsible trade.
Panel zones	Identify profile, finish, lengths, planned breaks, approved joint conditions, attachment schedule zones and bundle destinations.

FIELD VERIFICATION BEFORE RELEASE

Compare coordinated drawings with surveyed supporting work. Resolve dimensional differences and interface conflicts before panel lengths or openings are released.

Roof approved-document matrix

Use the matrix to confirm that each condition has a project-specific approved reference. It intentionally supplies no generic construction detail.

Condition	Approved document must define	Field confirmation before concealment
Eave and low edge	Termination geometry, support, drainage discharge, membrane and adjacent gutter or edge interface	Components match reference; drainage outlet remains open and clean
Rake and perimeter	Edge support, trim geometry, membrane tie-in, movement and adjacent construction	Line, support and termination are complete and undamaged
Ridge and hip	Support, cap or transition assembly, ventilation where designed, closures, sealants and membrane interfaces	Required layers and components are installed in approved sequence
Valley and internal drainage	Geometry, support, lining or transition, clear drainage width and panel termination	Path is aligned, clean and unobstructed before covering
Opening or curb	Curb size and height by design, support, cricket or drainage provisions, membrane and panel transitions	Surveyed location and dimensions match coordinated drawings
Penetration	Sleeve or curb, support, movement, compatible materials, membrane tie-in and service access	No unapproved field cut or sealant-only substitution is concealed
Side and end conditions	Whether used, configuration, orientation, dimensions, components, sealant or closure, attachment and inspection	Exact condition and materials match the released detail
Closure or filler	Type, material, location, continuity, compatibility and termination	Correct component is present and seated as detailed

CHANGE CONTROL

A moved opening, altered panel length, substituted component or revised interface requires documented review against the approved roof design before affected fabrication or field work continues.

Maintain a drawing and detail index at the workplace. Mark superseded documents, communicate revisions to affected trades and retain the final disposition with the project closeout record.

Wall orientation and interface coordination

TerraCrest 100 and TerraCrest 200 may enter a project-specific wall design. Orientation, attachment and interfaces must be defined by approved wall documents.

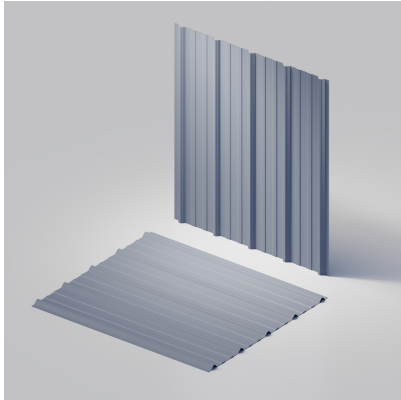


Figure 9. TerraCrest 100 real product visual.
Basis: Verified product render; orientation and wall assembly are not prescribed. Source: Terrashield current technical-guide asset library, terracrest-100.jpg.

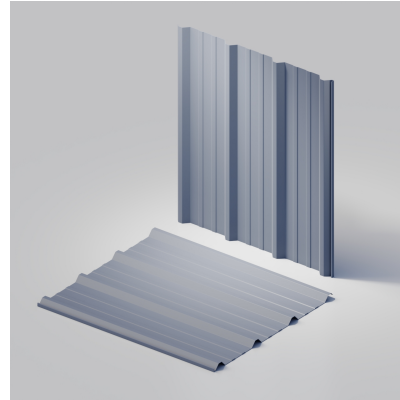


Figure 10. TerraCrest 200 real product visual.
Basis: Verified product render; orientation and wall assembly are not prescribed. Source: Terrashield current technical-guide asset library, terracrest-200.jpg.

Wall coordination item	Project requirement
Orientation and elevations	Show panel direction, datum, control lines, finished lengths, planned breaks, profile alignment and transitions between elevations.
Support and control layers	Define support assembly, receiving-plane tolerances, membranes, drainage, ventilation, movement and inspection before concealment.
Openings	Coordinate heads, sills and jambs with frame projection, drainage, membrane tie-in, trim, movement and sealant interfaces.
Corners, base and top	Provide dimensioned inside/outside corners, base discharge, grade or roof interface, upper termination, parapet and soffit conditions.
Penetrations and services	Coordinate location, support, sleeves or curbs, control-layer tie-in, compatible materials, access and responsible trade.
Visual quality	Set prominent sightlines, alignment criteria, finish continuity, acceptable transitions and sample or mockup requirements where specified.

Before fabrication

Confirm orientation, elevations, dimensions, openings, trims, support, attachment, joints, movement and interface details in the approved release.

Before concealment

Confirm control layers and interfaces are complete, drainage paths are open, supports are accepted and inspection records are captured.

Project-specific fasteners, joints, cutting and swarf

The approved project schedule must identify the exact attachment and joint requirements for the actual roof or wall assembly.

Release item	Project-specific content
Fastener system	Manufacturer and model, diameter, length, point, head, washer or gasket, coating or material, substrate compatibility and required engagement.
Attachment schedule	Exact panel feature and location, spacing by field and zone, edge and end conditions, support relationship, driver control and inspection method.
Joint schedule	Permitted side and end conditions, orientation, dimensions, movement, sealant or closure where specified, components, attachment and acceptance criteria.
Materials compatibility	Exact panel material, fasteners, trim, sealant, membrane and dissimilar-metal interfaces reviewed for exposure. Actual zinc is not steel paint; review runoff and care separately.
Field changes	Approved process for misplaced holes, damaged components, revised openings, substituted products, repairs and written acceptance.

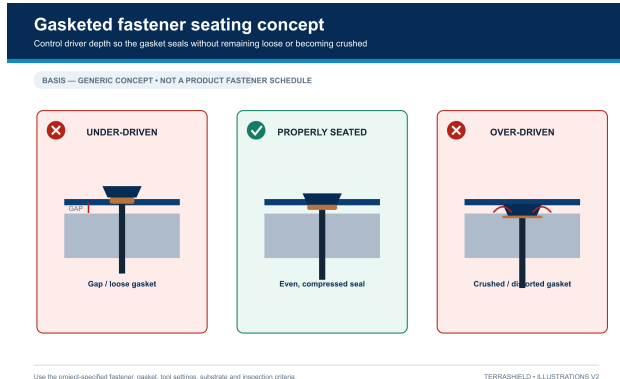


Figure 11. Generic gasketed fastener seating.
Basis: Generic work-practice concept only; it does not define panel attachment design or project values. Source: Terrashield deterministic illustrations-v2 library, item 11.

Fastener workmanship

Keep the driver square and use approved controls. Inspect for loose, angled or damaged seating and apply the project correction procedure before continuing.

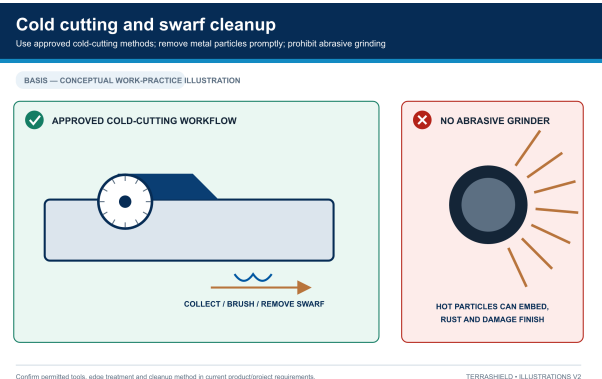


Figure 12. Generic cold cutting and swarf cleanup.
Basis: Generic work-practice concept; the approved project method and tools control. Source: Terrashield deterministic illustrations-v2 library, item 07.

Cutting and cleanup

Prefer factory-cut lengths. Protect finished faces, direct debris away from completed work and remove swarf promptly by an approved non-abrasive method. Avoid abrasive cutting that projects hot particles onto coatings.

Field inspection, nonconformance and closeout

Inspect progressively and preserve traceable evidence for material, concealed interfaces, approved changes and completed work.

Inspection stage	Verify and retain
Receiving and storage	Shipping record, labels, quantities, condition photographs, discrepancy record, storage arrangement and wet-material disposition.
Pre-fabrication or pre-installation	Current approved drawings, profile and material release, survey, substrate acceptance, interface readiness and hold-point sign-off.
Progressive work	Layout, profile orientation, panel and trim condition, attachment workmanship against the project schedule, joint and interface records, cut-edge condition and cleanliness.
Nonconformance	Location, date, drawing reference, description, photographs, affected material, containment, responsible reviewer, written disposition and verification of correction.
Closeout	Approved drawings, material/invoice records, photos and dispositions. For express warranty coverage, install within FOUR MONTHS AFTER PURCHASE; register within 30 days after installation for Terrashield approval. Retain certificate and TS-CAR-200 care/log records.

Stop and record

Pause affected work for mismatched product, wet or damaged material, document conflict, dimensional discrepancy, incomplete interface, blocked drainage or unapproved field modification.

Disposition and verification

Use written repair, replacement, acceptance or redesign direction from the authorized project role. Verify completion before concealment and retain the record.

Revision register

Issue	Revision	Date	Description
01	00	2026-09-03	Original publication: TerraCrest 100 and TerraCrest 200 project planning and field coordination
01	01	2026-09-04	Updated warranty cross-reference
01	02	2026-09-04	Conditional warranty and required closeout records
01	03	2026-09-04	Official logo and editorial clarity; technical and warranty terms unchanged
01	04	2026-09-11	Material/forming gates; warranty policy unchanged

Current public record: <https://www.terrashield.ca/technical-documents>