

Architectural Wall Panels: Installation Planning and Field Coordination

A planning and field-coordination reference for current architectural wall panels. It does not replace project design or an engineered installation release.

TS-INS-300
Issue 01 | Revision 04
2026-09-11

Products covered
TerraGroove 300 (TS-S300-VG) and TerraLap 200 (TS-S200-LP)



TerraGroove 300 product render. Basis: verified packaged product artwork.
Source: Terrashield current technical-guide asset library.

Contents, authority and related documents

Use this guide to coordinate decisions, hold points and records before panels are ordered or installed.

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5	Receiving, staging and layout controls
6	TerraGroove orientation planning
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10	Inspection, troubleshooting, closeout and revision register

Document authority

This publication supports design and construction coordination. It does not provide a complete engineered assembly or generic installation sequence. The accepted product identity and the current project record should be confirmed before fabrication and again before field work.

CONTROLLING PROJECT INFORMATION

Project-specific approved assembly, support, attachment, drainage, opening, movement and code details control.

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-310 | TerraCrest Roof and Wall Panels: Project Planning and Field Coordination

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

Product identification

Confirm product code, substrate, decimal BMT/tolerances, finish, batch and order. Common steel gauges are 24/26ga, not a universal limit; other supply requires forming review. Dimensions identify geometry, not assembly capacity.

Product	Code	Current orientation scope	Verified identification dimensions
TerraGroove 300	TS-S300-VG	Horizontal or vertical wall planning	122.8 or 142.8 mm formed width; 100 or 120 mm face; 150 or 170 mm feed width; 10.6 mm depth; 30 degree corner angle
TerraLap 200	TS-S200-LP	Horizontal wall-course planning only	283.52 mm formed width; 330 mm feed width; 12 mm depth; 63 mm flat top; 15.95 degree slope angle

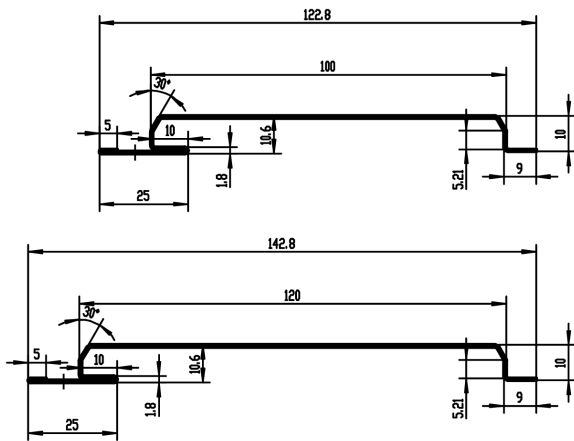


Figure 1. TerraGroove 300 dimensioned profile drawing.
Basis: Exact source drawing for product identification; drawing units are millimetres. Source: Terrashield current technical-guide asset library, terragroove.png.

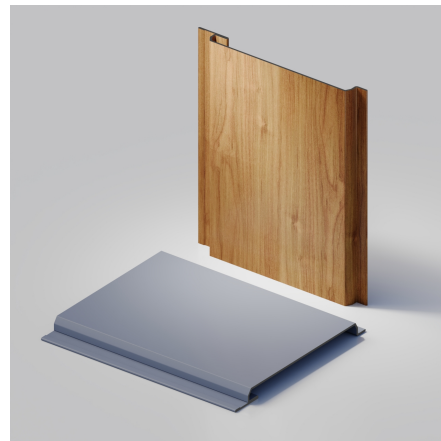


Figure 2. TerraGroove 300 product render.
Basis: Verified packaged render; visual identification only. Source: Terrashield current technical-guide asset library, terragroove.jpg.

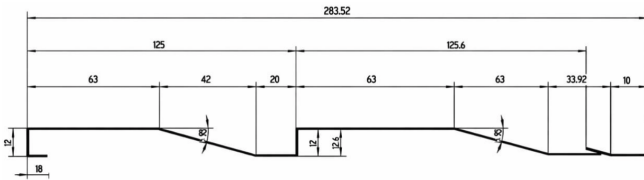


Figure 3. TerraLap 200 dimensioned profile drawing.
Basis: Exact source drawing for product identification; drawing units are millimetres. Source: Terrashield current technical-guide asset library, terralap-diagram.png.

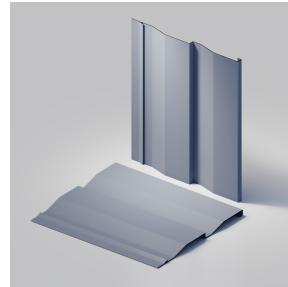


Figure 4. TerraLap 200 product render.
Basis: Verified packaged render; visual identification only. Source: Terrashield current technical-guide asset library, terralap.jpg.

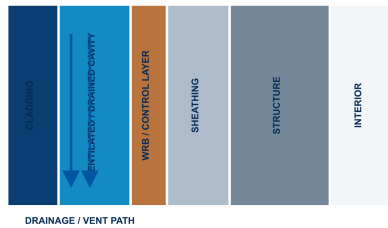
Wall assembly responsibilities and pre-installation readiness

Treat the panel as one component in a coordinated enclosure. Define interfaces and inspection ownership before cladding conceals them.

Conceptual drained wall assembly

Maintain drainage, ventilation and control-layer continuity as designed

BASIS — CONCEPTUAL ASSEMBLY • ALL LAYERS AND ATTACHMENTS PROJECT-SPECIFIC



DRAINAGE / VENT PATH

SECTION — NOT TO SCALE

PROJECT-SPECIFIC:

- material selections
- layer thicknesses
- support spacing
- attachment
- flashings + closures
- air/water/vapour continuity
- fire/thermal design

Concept only. The illustration does not prescribe a wall assembly or replace approved architectural/engineering details.

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Figure 5. Conceptual drained wall assembly.

Basis: Conceptual assembly; no material, thickness, spacing or attachment is prescribed. Source: Terrashield deterministic illustrations-v2 library, item 08. Caption reviewed for this use.

Designer and engineer

Define enclosure control layers, structural support, movement, loads and code compliance.

General contractor

Coordinate sequence, access, substrate acceptance, adjacent trades and hold points.

Installer

Verify documents, material identity, substrate condition, workmanship and records before concealment.

Terrashield

Fabricate the accepted product and provide current product, care and order documents.

Readiness hold points

Confirm before release	Evidence available at the workplace
Substrate and supports	Accepted receiving plane; support material, orientation and locations match the approved record
Control layers	Membrane, drainage and ventilation interfaces are complete at areas about to be covered
Geometry and movement	Elevations, control lines, panel orientation, movement joints and terminations are coordinated
Openings and transitions	Head, sill, jamb, corner, base and top conditions have approved references
Materials and tools	Exact material, BMT/tolerances, finish, dimensions, quantity and profile/forming compatibility accepted before production; accessories and tools match submittals

Actual zinc requires separate millimetre thickness, forming and interface review; steel-paint assumptions do not apply. Stop before concealment when documents conflict, the substrate is wet or incomplete, a drainage path is blocked, material is mismatched, or field modification would change a visible face or formed edge without written disposition.

Receiving, staging and layout controls

Protect product identity and condition from delivery through first placement. Layout decisions should be resolved on elevations and shop drawings, not improvised at the wall.

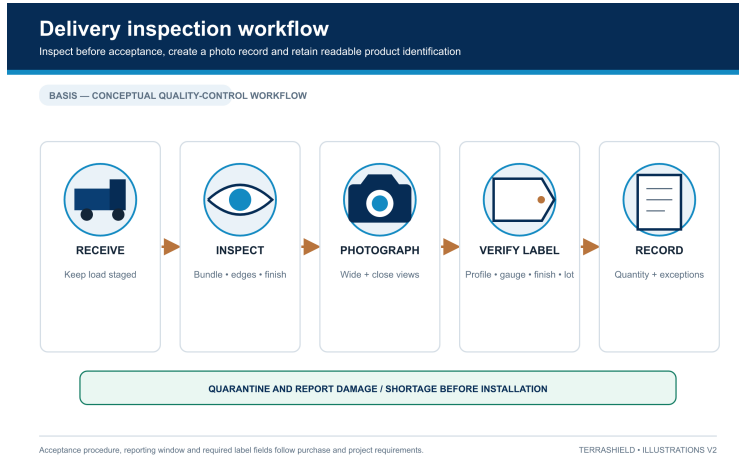


Figure 6. Delivery inspection workflow.
Basis: Conceptual quality-control workflow; no acceptance period is stated.
Source: Terrashield deterministic illustrations-v2 library, item 09. Caption reviewed for this use.

Receive

Keep the load staged until labels, quantities and visible condition are checked.

Store dry

Keep bundles off the ground, supported to avoid sagging, sloped to drain and loosely covered for ventilation when outdoor storage cannot be avoided.

Handle cleanly

Lift panels without dragging. Keep gloves, slings, forks, tables and supports free of grit and metal debris.

Layout controls

Control	Coordinate and record
Product	Profile, face option where applicable, gauge, finish, finished lengths, quantities, bundle and lot identifiers
Elevation	Orientation, reference datum, control lines, termination zones, panel breaks and adjacent finishes
Openings	Rough openings, frame projections, perimeter interfaces, sill drainage, heads and jamb conditions
Visual alignment	Prominent sightlines, corners, parapets, bases, tops and transitions between elevations
Field condition	Out-of-plane substrate, unplanned penetrations, access limits and conflicts requiring written resolution

If moisture enters a bundle, open it promptly, separate affected sheets and dry them under cover with airflow. Quarantine visible damage, mismatched labels or questionable material before installation.

TerraGroove 300 orientation planning

TerraGroove 300 may be planned horizontally or vertically. Select the orientation on project elevations and coordinate its consequences without inferring a joint or attachment detail from the product render.



HORIZONTAL ORIENTATION

Orientation planning visual only
No joint, attachment, starter or installation sequence is depicted.



VERTICAL ORIENTATION

Orientation planning visual only
No joint, attachment, starter or installation sequence is depicted.

Figure 7. TerraGroove horizontal orientation planning visual.

Basis: Verified product render rotated only to communicate broad orientation; no engagement or fastening is depicted. Source: Derived from Terrashield terragroove.jpg without redrawing panel geometry.

Figure 8. TerraGroove vertical orientation planning visual.

Basis: Verified product render rotated only to communicate broad orientation; no engagement or fastening is depicted. Source: Derived from Terrashield terragroove.jpg without redrawing panel geometry.

Planning topic	Horizontal orientation	Vertical orientation
Elevation module	Coordinate course lines, base and top conditions, openings and alignment around corners	Coordinate vertical bay lines, base termination, top termination, openings and elevation breaks
Drainage interfaces	Resolve how horizontal panel expression meets approved sill, head and base drainage details	Resolve base discharge and continuity at vertical edges, heads, sills and horizontal transitions
Panel lengths	Coordinate end conditions, breaks and handling against available lengths and approved details	Coordinate floor lines, parapets, soffits, base conditions and lifting access
Trim and movement	Locate project joints and terminations so visual course alignment remains deliberate	Locate project joints and terminations so vertical alignment remains deliberate

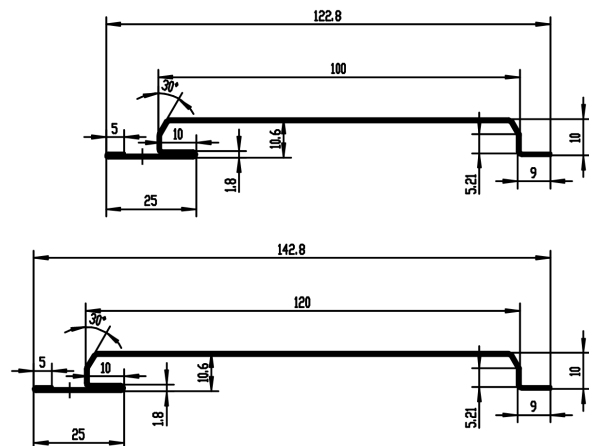
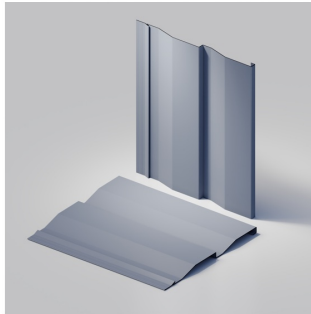


Figure 9. TerraGroove 300 exact profile drawing.

Basis: Product-identification geometry only; dimensions are millimetres and do not show installation position. Source: Terrashield current technical-guide asset library, terragroove.png.

TerraLap 200 horizontal wall-course planning

TerraLap 200 is a horizontal wall-course product in this issue. The overall formed width is not a released installed exposure, and the profile drawing is not a sequencing or engagement detail.



HORIZONTAL ORIENTATION

Orientation planning visual only
No joint, attachment, starter or
installation sequence is depicted.

Figure 10. TerraLap horizontal orientation planning visual.
Basis: Verified product render used only to communicate horizontal wall-course orientation; no lap, engagement or fastening is depicted.
Source: Derived from Terrashield terralap.jpg without redrawing panel geometry.

Set the elevation strategy

Coordinate the base datum, course control lines, opening heads and sills, corners, top termination and planned panel breaks.

Check cumulative alignment

Return to project control lines rather than using preceding panels as the sole reference. Resolve drift before cutting or forcing material.

Protect drainage intent

Keep approved drainage and ventilation paths clear at bases, openings, transitions and terminations.

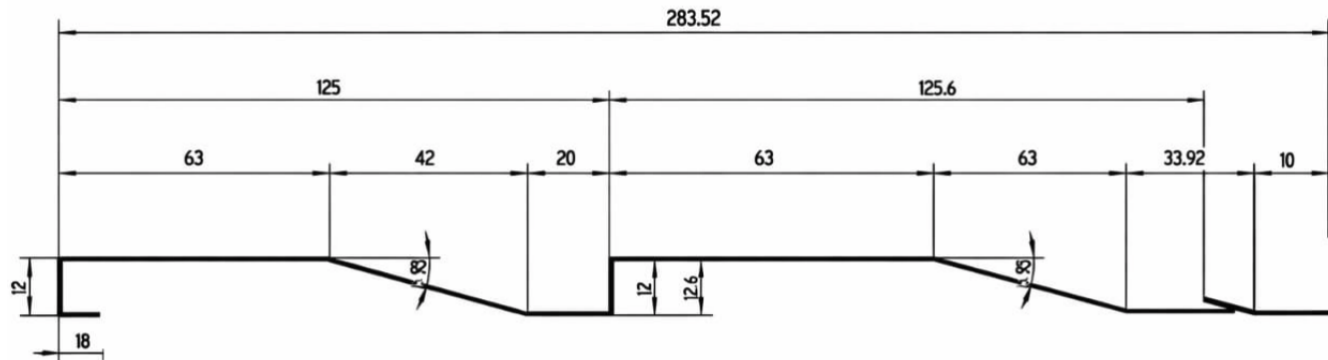


Figure 11. TerraLap 200 exact profile drawing.
Basis: Product-identification geometry only; dimensions are millimetres and do not establish installed exposure or engagement. Source: Terrashield current technical-guide asset library, terralap-diagram.png.

Coordination check	Field question
Base and first control line	Does the approved base condition establish the intended elevation and discharge path?
Openings	Do course lines, sill and head interfaces align with approved opening details?
Corners and transitions	Are profile direction, visual alignment, trim interfaces and movement locations coordinated?
Top termination	Are parapet, soffit or upper-wall interfaces dimensioned and buildable?

Openings, corners, bases, tops and trim coordination

Use restrained coordination notes where approved trim details are not part of this publication. Do not fabricate field conditions from the profile image.

Condition	Coordinate before fabrication	Verify before concealment
Window and door heads	Projection, membrane tie-in, end conditions, drainage path, sealant interfaces and adjacent finish	Head components and control-layer transitions match the approved reference
Sills	Slope and discharge concept, back and end conditions, frame interface, panel termination and clear path outward	Sill drainage remains open and surrounding work is clean
Jambs	Frame projection, perimeter clearance, membrane return, trim depth, movement and sealant backing	Jamb alignment and interfaces remain continuous
Outside and inside corners	Corner geometry, panel orientation, visual alignment, trim finish, movement and adjacent trade limits	Corner is straight, undamaged and consistent with elevations
Bases	Datum, ground or roof interface, drainage and ventilation openings, protection from splash and debris	Discharge and ventilation paths are not obstructed
Tops and parapets	Termination, coping or soffit interface, membrane continuity, movement and adjacent flashing sequence	Upper interface is complete before access is removed
Penetrations and transitions	Sleeve or curb geometry, support, control-layer tie-in, compatible materials and service access	No unapproved cut, field bend or sealant-only substitution is concealed

Trim schedule content

Reference each trim to a dimensioned project detail. State material, gauge, finish, leg dimensions, hems or returns where approved, orientation, lengths, end conditions and interface responsibilities.

Adjacent trade coordination

Identify who completes membranes, windows, doors, louvers, penetrations, sealants, parapets, soffits and landscaping clearances. Sequence inspections before each interface is covered.

FIELD CHANGES

Do not improvise a trim, cut, bend, closure, sealant path or penetration treatment where the change could affect appearance, drainage, movement, attachment or control-layer continuity. Record the condition and obtain written disposition.

Project-specific attachment and joint requirements

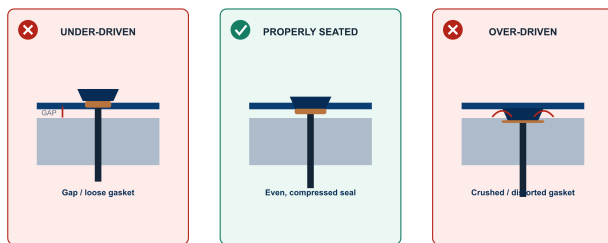
Attachment and joint information must be released for the actual project. The generic illustrations below address tool care only and do not identify a panel attachment location.

Project release item	Required content
Support	Material, thickness or grade, orientation, locations, continuity, condition and acceptance authority
Fastener system	Manufacturer and model, diameter, length, point, head, washer or gasket, finish and environmental compatibility
Attachment schedule	Exact attachment feature and location, spacing by field and zone, edge and end conditions, support engagement and inspection method
Joint and movement	Panel-end treatment, project joints, fixed and moving conditions, permitted holes or slots, clearances and trim accommodation
Interfaces	Openings, corners, bases, tops, transitions, sealants, closures and relationship to drainage and control layers

Gasketed fastener seating concept

Control driver depth so the gasket seals without remaining loose or becoming crushed.

BASIS — GENERIC CONCEPT • NOT A PRODUCT FASTENER SCHEDULE



Use the project-specified fastener, gasket, tool settings, substrate and inspection criteria.

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Figure 12. Generic gasketed fastener seating care.
Basis: Generic concept only; not a panel fastener schedule or attachment-location detail. Source: Terrashield deterministic illustrations-v2 library, item 11. Caption reviewed for this use.

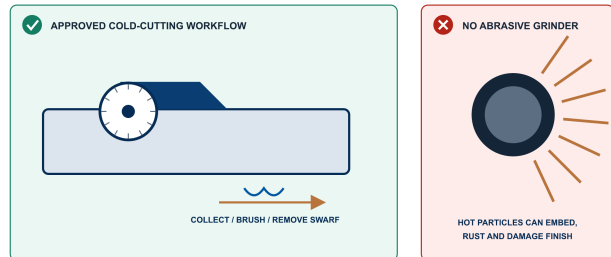
Fastener seating

Where a gasketed fastener is specified, keep the driver square and use the approved depth or torque control. Reject loose, angled or crushed-gasket results under the project inspection criteria.

Cold cutting and swarf cleanup

Use approved cold-cutting methods; remove metal particles promptly; prohibit abrasive grinding.

BASIS — CONCEPTUAL WORK-PRACTICE ILLUSTRATION



Confirm permitted tools, edge treatment and cleanup method in current product/project requirements.

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Figure 13. Generic cold-cutting and swarf cleanup care.
Basis: Conceptual work-practice illustration; does not specify an approved tool for every condition. Source: Terrashield deterministic illustrations-v2 library, item 07. Caption reviewed for this use.

Field cutting and cleanup

Prefer factory cut lengths. Use an approved cold-cutting method, protect finished faces, direct debris away from completed work, and remove swarf promptly with a non-abrasive method. Do not use an abrasive grinder that throws hot particles onto the coating.

Field inspection, troubleshooting and closeout

Inspect progressively, resolve nonconforming work before concealment, and leave a traceable record for the owner and project team.

Observed condition	Response
Product, finish, gauge, length or label mismatch	Quarantine affected material; compare order and bundle records; obtain written disposition
Wet packaging, condensation or nested moisture	Open, separate and dry affected sheets under cover; document condition before use
Scratched, dented or distorted face or formed edge	Do not conceal; photograph and obtain repair, acceptance or replacement direction
Layout drift or conflict at an opening or termination	Stop work; recheck approved control lines and dimensions; do not force or disguise the conflict
Loose, angled or visibly over-driven fastener	Apply the approved inspection and correction procedure; assess surrounding material before continuing
Blocked drainage or control-layer discontinuity	Keep work open; coordinate correction and required inspection before cladding proceeds
Filings, chips or embedded particles	Remove promptly with the approved non-abrasive method; inspect coating before concealment or handover

Progressive field inspection

Verify product identity, control lines, orientation, visible alignment, panel condition, trims, interfaces, fastener workmanship where specified, cut-edge condition, cleanliness and required concealed-work records.

Closeout record

Retain approved drawings, material/invoice records, dated 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.

Revision register

Issue	Revision	Date	Description
01	00	2026-09-03	Original publication: architectural wall panel installation planning and field coordination for TerraGroove 300 and TerraLap 200
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 and forming gates; warranty policy unchanged

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