

KinglySlate®

INSTALLATION GUIDE AND DETAILING FOR KINGLYSLATE®

This Installation Guide assumes that construction personnel have knowledge of the materials described and their knowledge and experience of proper methods of installation. Prior to commencing activity related to the scope of this Guide, review all adjacent products and other work that precedes the installation of KinglySlate® to ensure that proper workmanship is reflected and that there are no recognizable errors or deficiencies that may compromise the installation or performance of the KinglySlate®. Building code requirements vary by jurisdiction. Always verify applicable building codes and regulations with the local building authority having jurisdiction (AHJ) before beginning installation. Carefully review all sections of this installation guide and follow KinglySlate® manufacturer installation instructions prior to proceeding with the application.

If the manufacturer's installation instructions differ from or conflict with statements contained in this document, contact KinglySlate® technical services for clarification and guidance before installation. Failure to follow the manufacturer's recommendations and applicable building codes may affect product performance and warranty coverage

1. GENERAL REQUIREMENTS

1.1 Scope This guide provides general installation procedures for KinglySlate® adhered natural stone panel systems for interior and exterior wall applications.

KinglySlate® panels consist of:

- Surface Layer: Natural stone (Slate / Quartz / Marble options)
- Backing Layer: Polymer-modified clay composite (Optional to use Polymer Modify Adhesive)
- Reinforcement: Alkali-resistant fiberglass mesh
- Typical Thickness: 1/8 – 3/16
- Standard Panel Size: 48 in × 96 in

The system provides the appearance of natural stone with significantly reduced weight compared to traditional stone veneer systems.

2. REGULATORY NOTICE

Building codes and construction requirements vary by jurisdiction. It is the responsibility of the design professional, contractor, and installer to verify compliance with applicable local building codes and project requirements before installation.

KinglySlate® provides installation guidance for the proper application of the product; however, final approval of materials and installation methods is subject to the Authority Having Jurisdiction (AHJ).

Consult local authorities and qualified professionals when determining the suitability of the system for a specific project.

3. MATERIAL STORAGE AND HANDLING

KinglySlate® panels shall be stored:

- On flat, dry surfaces
- Protected from weather exposure
- Off the ground
- Covered to prevent contamination

Panels should be handled carefully to avoid damage to edges and surface finish. Do not install damaged panels.

4. SUBSTRATE REQUIREMENTS

The substrate must be:

- Structurally sound
- Clean and free of dust, oil, or contaminants
- Properly prepared to receive adhesive or mortar

Acceptable substrates may include:

- Cement board
- Concrete
- Masonry
- Exterior gypsum sheathing with WRB and Cement Board as base for the Adhesive
- Properly prepared interior drywall (interior applications only)

Substrates must be installed according to applicable building practices and manufacturer requirements.

5. WEATHER RESISTIVE BARRIER (WRB)

For exterior installations, a Weather-Resistive Barrier (WRB) is recommended behind the KinglySlate® system when installed over framed wall assemblies.

Acceptable WRB materials may include:

- Building paper
- House wrap
- Fluid-applied air/water barriers
- Code-approved waterproof membranes

WRB installation shall follow the manufacturer's installation instructions.

6. FLASHING AND DRAINAGE

All flashing and flashing accessories shall be corrosion-resistant and integrated with the WRB system when present.

Flashing shall be installed at:

- Window and door openings
- Through-wall penetrations
- Base of wall installations
- Transitions between materials
- Roof-to-wall intersections

Flashing is not required for interior installations not exposed to water. Self-adhered flashing membranes may be used where permitted by local codes and where compatible with the KinglySlate® system.

7. ADHESIVE / MORTAR APPLICATION

KinglySlate® panels may be installed using approved polymer adhesives or cementitious thin-set mortars, depending on the substrate and application.

Cementitious Adhesive Method (Polymer modify Adhesive, Ardex 5)

Recommended for:

- Exterior installations
- Masonry substrates



- Cement board substrates

ARDEX X 5™ is a highly versatile, polymer-modified, large format and heavy tile and stone mortar for setting porcelain, quarry, ceramic and most natural stone* tile over common interior surfaces, including exterior-grade plywood, as well as exterior concrete and masonry surfaces.

Apply polymer-modified thin-set mortar using a notched trowel suitable for large panel installation. Ensure adequate adhesive coverage to achieve proper bond strength.

For application adhesive instruction follow Ardex 5 manual.

<https://www.ardexamericas.com/wp-content/uploads/2018/05/X-5-TDS-2025-02-27-English.pdf>

Polymer Adhesive Method



Recommended for:

- Exterior wall not over 20'
- Interior installations
- Drywall substrates
- Smooth surfaces

Use approved high-performance construction adhesives compatible with the KinglySlate® backing layer as Advance polymer Adhesive from Tidebond.

Follow adhesive manufacturer recommendations for application of the adhesive.

<https://www.titebond.com/print/product/d20b39a8-adca-4ba0-86ee-0bd6cf34af3e>

8. PANEL INSTALLATION

1. Plan panel layout prior to installation.
2. Establish a level reference line.
3. Apply adhesive Polymer adhesive at panel back, or mortar to the substrate and the back of the panel.
4. Press the panel firmly into place.
5. Apply consistent pressure to ensure proper bonding.
6. Use a roller to press the sheet.

Panels may be cut using:

- Diamond blade saw

- Angle grinder
- Track Saw
- Router
- Snips

9. JOINTS AND TERMINATIONS

Movement joints may be required at:

- Panel transitions
- Expansion joints
- Window and door perimeters
- System terminations

Sealants shall comply with ASTM C920 and be compatible with adjacent materials.

10. LIMITATIONS

KinglySlate® is not intended for:

- Continuous water immersion
- Swimming pools
- Fountains
- Submerged applications

The system is intended for interior and exterior wall cladding applications only.

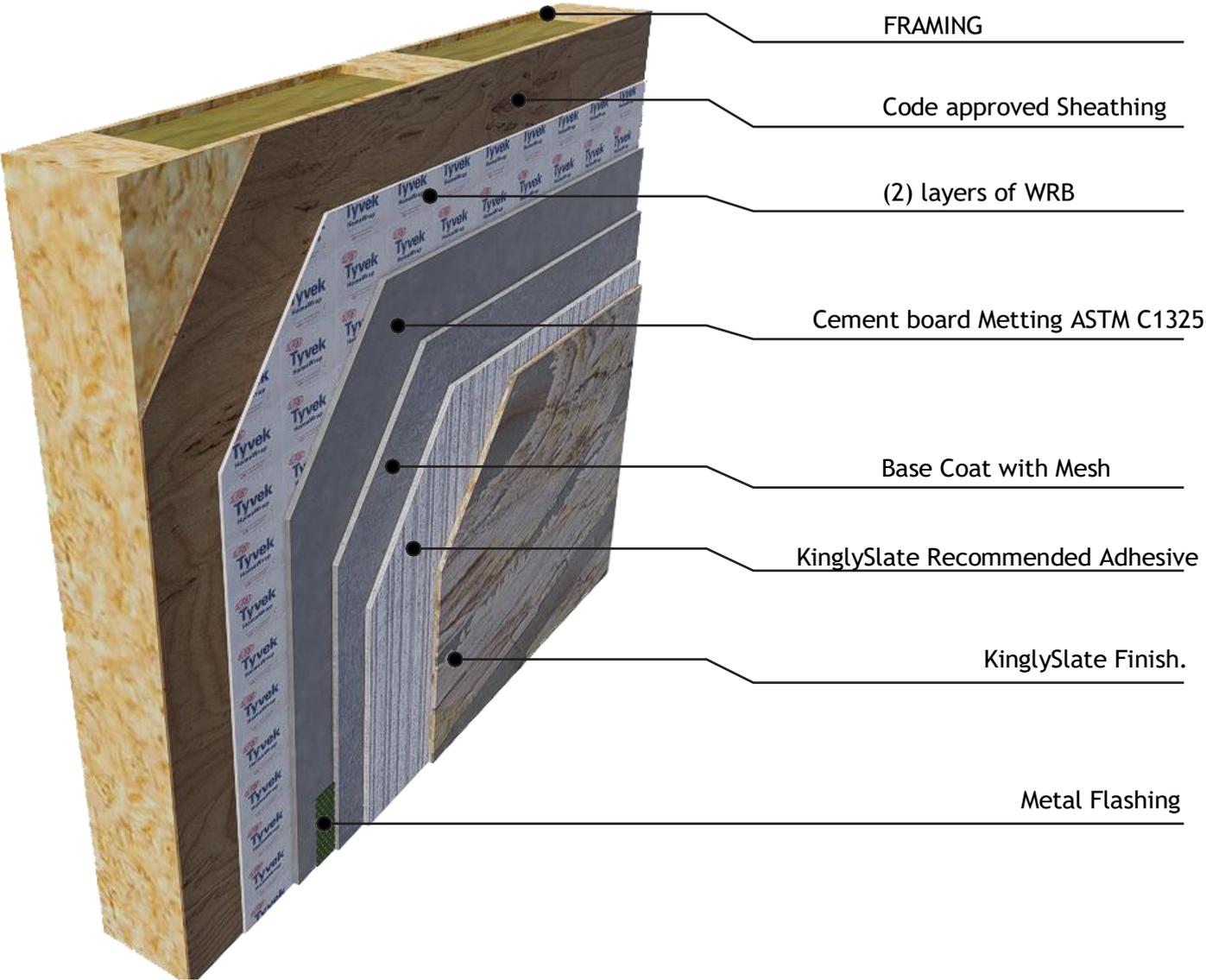
11. MAINTENANCE

Clean panels using:

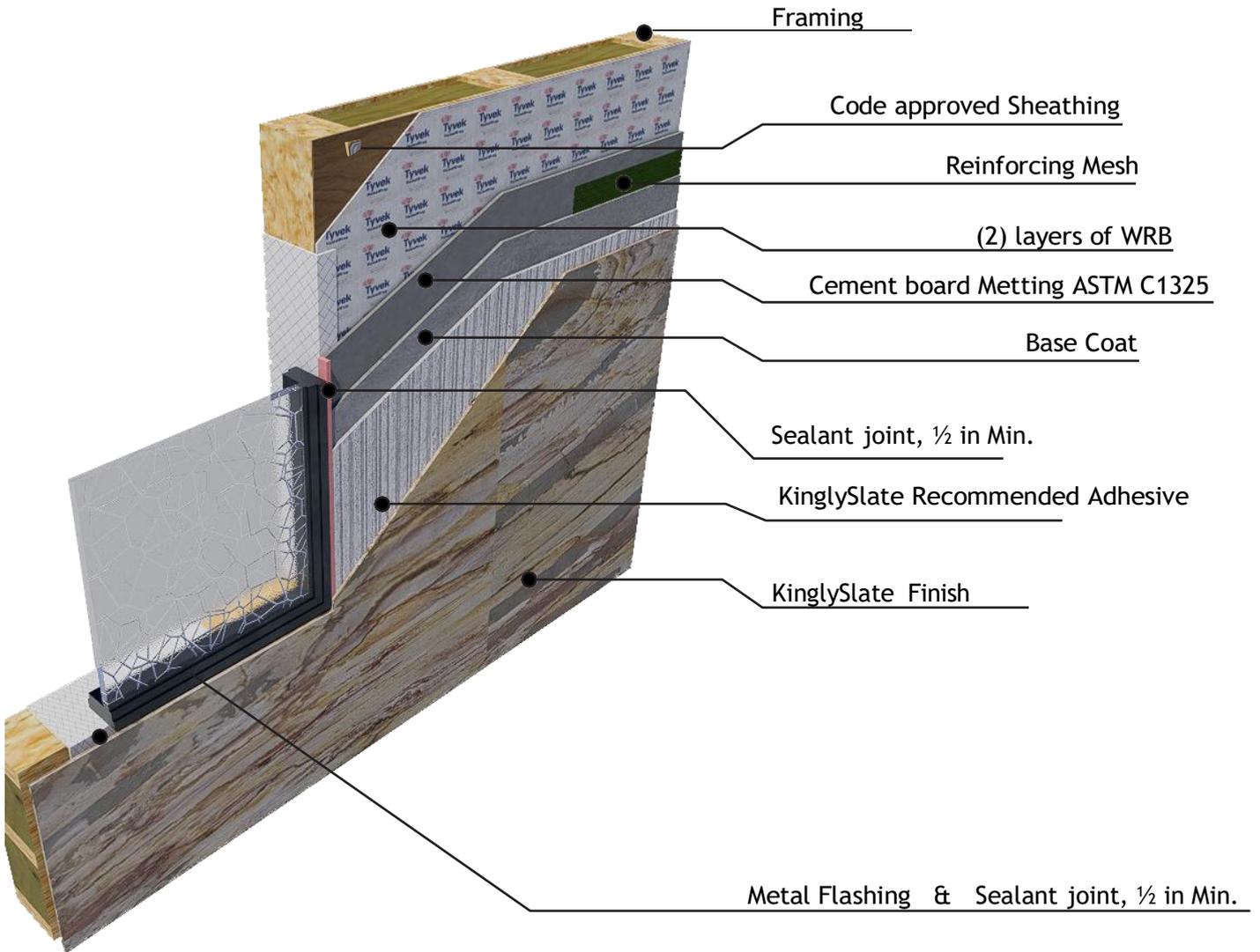
- Mild detergent
- Soft brush or cloth
- Low-pressure water

Avoid abrasive cleaners or harsh chemicals.

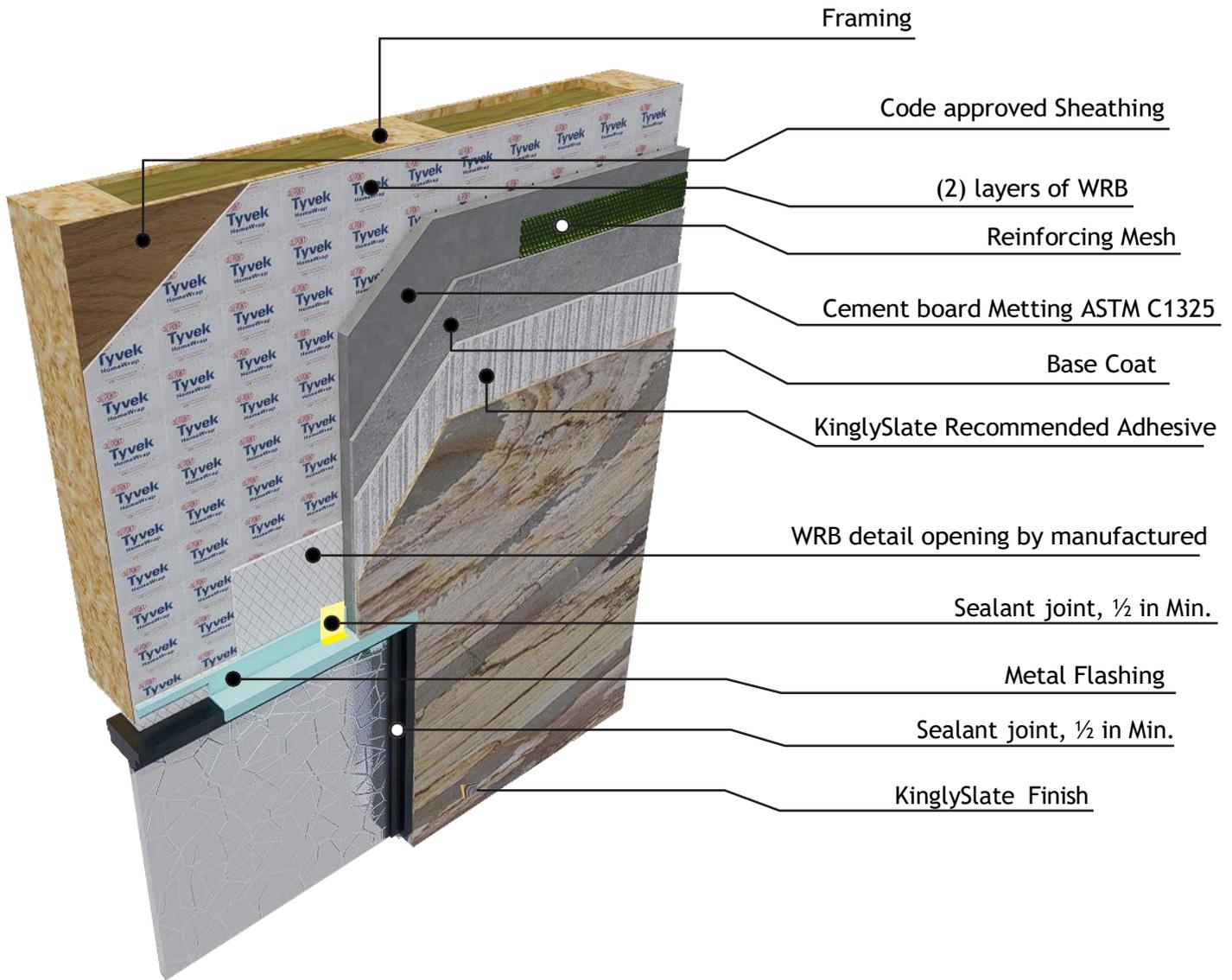
CEMENT BOARD STUCCO SYSTEM



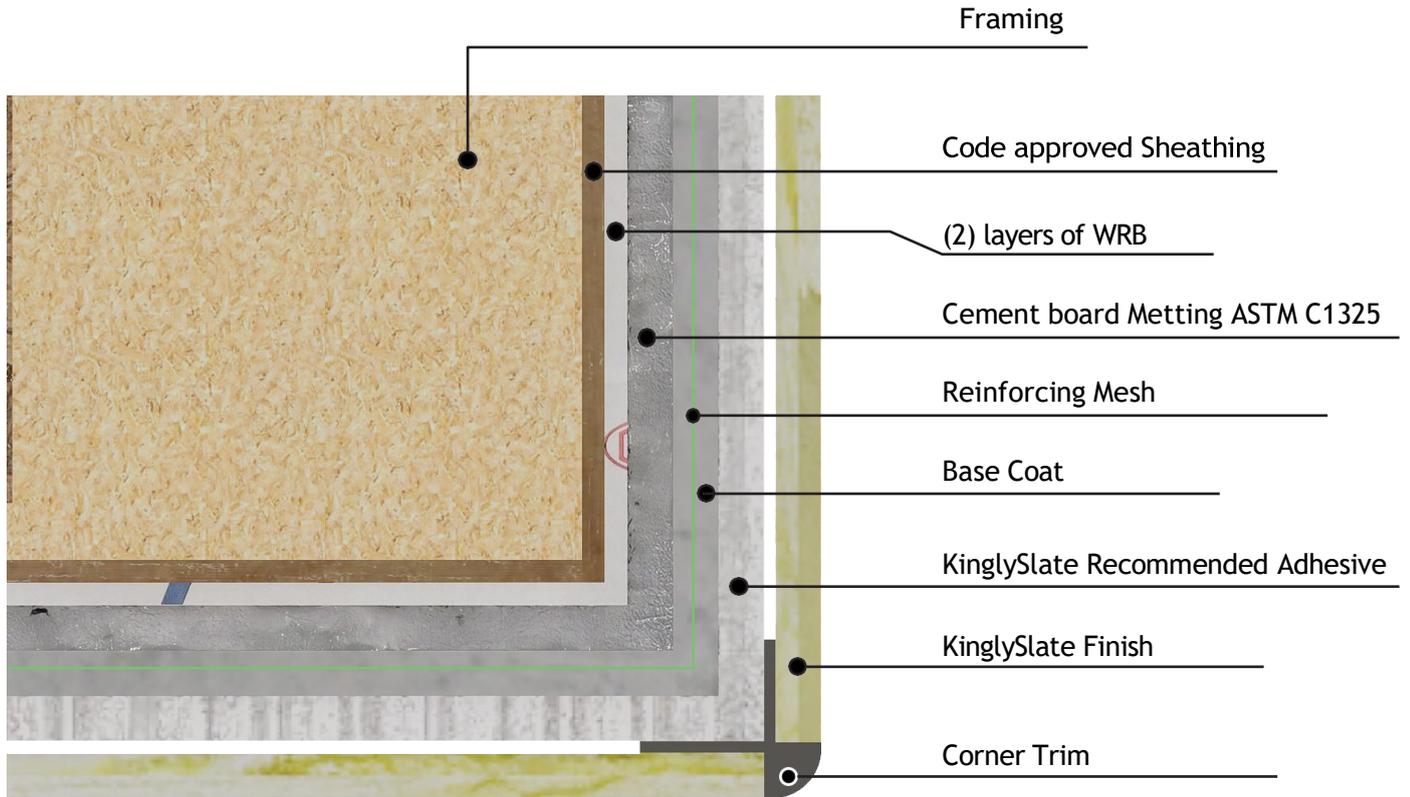
FLANGED WINDOW DETAIL



FLANGED WINDOW HEADER DETAIL



CORNER DETAIL WITH TRIM



CORNER DETAIL WITHOUT TRIM

