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GS Guide Specification

PART 1 – GENERAL

1.1 SUMMARY

A. Section Includes:

1. Western Blended Products Western 1-Kote® factory-prepared one-coat stucco system.
2. Fiber-reinforced cementitious basecoat.
3. Metal lath and accessories.
4. Optional Crack Resistant System (CRS).
5. Exterior finish coatings.

B. Related Sections:

1. Section 06 16 00 – Sheathing.
2. Section 07 27 00 – Weather-Resistive Barriers.
3. Section 07 62 00 – Sheet Metal Flashing and Trim.
4. Section 07 92 00 – Joint Sealants.
5. Section 09 24 23 – Crack Resistant System (CRS).

1.2 REFERENCES

- A. IAPMO UES ER-382.
- B. ASTM C926 – Application of Portland Cement-Based Plaster.
- C. ASTM C1063 – Installation of Lathing and Furring to Receive Portland Cement-Based Plaster.
- D. ASTM C847 – Metal Lath.
- E. ASTM C150 – Portland Cement.
- F. ASTM C897 – Aggregate for Job-Mixed Portland Cement-Based Plasters.
- G. ASTM C144 – Aggregate for Masonry Mortar.
- H. 2024 International Building Code (IBC).
- I. 2024 International Residential Code (IRC).

Where conflicts occur, IAPMO UES ER-382 shall govern.

1.3 SYSTEM DESCRIPTION

A. The Western 1-Kote® System is a code-recognized exterior cement plaster assembly evaluated under IAPMO UES ER-382. Fire-resistance-rated and NFPA 285-compliant assemblies are available when constructed in accordance with IAPMO UES ER-382.

B. System Components:

1. Approved substrate.
2. Code-compliant weather-resistive barrier.
3. Self-furred metal lath.
4. Western 1-Kote basecoat applied to minimum 3/8 inch thickness.
5. Optional Crack Resistant System (CRS).
6. Selected finish system.

C. Basecoat Options:

1. Western 1-Kote (Gray Concentrate or Sanded Gray).

Access current system documentation and technical data.



Western 1-Kote Standard System Page

Western 1-Kote Mineral Wool System Page





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2. Western 1-Kote (Premium Gray Concentrate or Premium Sanded Gray).

D. Finish Coat Options:

1. WBP Exterior Stucco Finish.
2. WBP Premium Acrylic Finish with PAF Primer where required.
3. WBP Specialty Finishes
4. Exterior finish coatings manufactured by additional listees recognized under IAPMO UES ER-382.
5. Standard acrylic paints or elastomeric coatings in accordance with the finish coat installation instructions.

E. The system is non-structural and does not eliminate cracking caused by structural movement.

1.4 SUBMITTALS

A. Product Data:

1. Western 1-Kote Basecoat Technical Data Sheet.
2. Premium Basecoat Technical Data Sheet (if specified).
3. CRS Technical Data Sheet (if specified).
4. Exterior Finish Coat Technical Data Sheet.

B. Evaluation Report:

1. Current copy of IAPMO UES ER-382.

C. Warranty Documentation:

1. Submit manufacturer's warranty for specified warranty tier.

D. Samples:

1. Finish texture and color samples when required.

1.5 QUALITY ASSURANCE

A. Installer Qualifications:

1. Installer shall be experienced in application of cement plaster systems.
2. Installation shall comply with ER-382, ASTM C926, ASTM C1063, and manufacturer's written instructions.

B. Pre-Installation Conference:

1. Conduct conference when required by Division 01.
2. Review substrate preparation, flashing integration, lath installation, curing, and finish coordination.

C. Mockups:

1. Provide mockup when required by Contract Documents.
2. Mockup shall include plaster basecoat, CRS layer (if specified), and specified finish.
3. Approved mockup may serve as standard of workmanship.





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1.6 DELIVERY, STORAGE AND HANDLING

- A. Deliver materials in original, unopened packaging with manufacturer identification.
- B. Store materials off ground in dry, ventilated area protected from moisture and freezing.
- C. Protect materials from contamination and weather exposure.

1.7 PROJECT CONDITIONS

A. Environmental Requirements:

- 1. Do not install components when ambient or substrate temperatures are below 40°F (4.4°C) or above 100°F (38°C).
- 2. Protect materials from freezing during application and curing.

B. Curing:

- 1. All cementitious components require a minimum of forty-eight (48) hours moist curing.
- 2. Extend curing period when required by environmental conditions.

1.8 COORDINATION

A. Coordinate installation of the Western 1-Kote® System with the following:

- 1. Installation of sheathing and substrate framing to ensure structural compliance with ER-382.
- 2. Installation of weather-resistive barriers to maintain continuity of the drainage plane.
- 3. Installation of flashings at openings, penetrations, terminations, and transitions to adjacent materials.
- 4. Installation of control joints and coordination at building expansion joints affecting the stucco assembly.
- 5. Installation of sealants at dissimilar material interfaces.

B. Ensure that substrates are properly prepared and that WRB, flashing, and penetrations are completed prior to installation of lath and basecoat.

C. Coordinate placement of control joints and building expansion joints affecting the stucco assembly with the design authority. Control joints shall be located and detailed in accordance with the Contract Documents prepared by the design authority. Installation of control joints shall otherwise comply with ASTM C1063 and applicable Evaluation Reports.

D. Do not install stucco components until unsatisfactory substrate conditions have been corrected.

PART 2 – PRODUCTS

2.1 MANUFACTURER

- A. Basis of Design: Western Blended Products (WBP).
- B. Products shall be manufactured by Western Blended Products or produced under license in accordance with IAPMO UES ER-382.
- C. Substitutions shall comply with Division 01 requirements.





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2.2 MATERIALS

A. Western 1-Kote (Gray Concentrate or Sanded Gray):

1. Factory-prepared, fiber-reinforced modified portland cement plaster.
2. Compliant with ER-382.
3. Applied to a nominal minimum thickness of 3/8 inch and may be applied up to 1/2 inch in thickness where permitted by ER-382 and approved lath assemblies. Increased thickness may enhance durability and surface performance characteristics.

B. Western 1-Kote (Premium Gray Concentrate or Premium Sanded Gray):

1. Enhanced formulation with reduced shrinkage characteristics.
2. Applied to a minimum thickness of 3/8 inch over approved lath assemblies in accordance with ER-382.

2.3 LATH AND ACCESSORIES

A. Metal lath complying with ASTM C847.

B. Installation in accordance with ASTM C1063 and ER-382.

C. Accessories:

1. Casing beads.
2. Weep screeds.
3. Control joints.
4. Expansion joints.
 - Control joints and building expansion joints affecting the stucco assembly shall be located and detailed in accordance with the Contract Documents prepared by the design authority. Installation of control joints shall otherwise comply with ASTM C1063 and applicable Evaluation Reports.

2.4 WEATHER-RESISTIVE BARRIER

A. Code-compliant WRB installed in accordance with applicable building code and ER-382.

B. Integration with flashings shall maintain continuity of drainage plane.

2.5 OPTIONAL CRACK RESISTANT SYSTEM (CRS)

A. BPS Armor CRS reinforcing basecoat.

B. Alkali-resistant fiberglass reinforcing mesh.

C. Installed at minimum 1/16-inch embedment thickness.

D. Installed in accordance with CRS Guide Specification.

2.6 FINISH COATS

A. WBP Exterior Stucco Finish.





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- B. WBP Premium Acrylic Finish with PAF Primer where required.
 - 1. PAF Primer required for 7-, 10-, and 15-year warranty tiers.
- C. WBP Specialty Finishes.
- D. Exterior finish coatings manufactured by additional listees recognized under IAPMO UES ER-382.
- E. Standard acrylic paints or elastomeric coatings.
 - 1. All coatings applied in accordance with manufacturer's written instructions.
- F. The system is non-structural and does not eliminate cracking caused by structural movement, substrate instability, improper joint placement, or building movement.

PART 3 – EXECUTION

3.1 EXAMINATION

- A. Verify substrates:
 - 1. Comply with ER-382.
 - 2. Structurally sound.
 - 3. Are properly braced.
 - 4. Free of bond-inhibiting materials.
- B. Do not proceed until unsatisfactory conditions are corrected.

3.2 PREPARATION

- A. Install weather-resistive barrier in accordance with code and ER-382.
- B. Integrate flashing components to maintain positive drainage.
- C. Install metal lath in accordance with ASTM C1063 and ER-382.
- D. Install control joints and coordinate building expansion joints affecting the stucco assembly as detailed in the Contract Documents. Installation of control joints shall otherwise comply with ASTM C1063 and applicable Evaluation Reports.

3.3 INSTALLATION

- A. Apply Western 1-Kote basecoat to a nominal minimum thickness of 3/8 inch. Basecoat thickness may be increased up to 1/2 inch where permitted by ER-382 and lath configuration. Ensure uniform embedment and proper rodding to achieve consistent thickness.
- B. Ensure uniform embedment and proper rodding to achieve consistent thickness.
- C. Hard-float the plaster to promote densification.
- D. Moist cure for minimum 48 hours.
- E. Where CRS is specified, install reinforcing layer prior to finish application.





Section 09 24 23

Western 1-Kote Exterior Stucco System

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3.4 CURING AND PROTECTION

- A. Maintain moist curing for minimum 48 hours.
- B. Protect installed materials from freezing, rapid drying, precipitation, and damage until adequately cured.

3.5 FINISH APPLICATION

- A. Apply selected finish coating after basecoat curing.
- B. Premium Acrylic Finish assemblies requiring extended warranty tiers shall include PAF Primer.

3.6 FIELD QUALITY CONTROL

- A. Verify basecoat thickness.
- B. Verify placement of control joints and integration at building expansion joints conform to the Contract Documents.
- C. Inspect for uniform texture and finish consistency.

END OF SECTION 09 24 23

