



Crack Resistant System (CRS)

A Reinforced Skim Coat Assembly for Enhanced Crack Resistance in Exterior Stucco Systems.

Western Blended Products Crack Resistant Systems are associated with all system warranties for WBP systems depending on its components. Consult our systems and assemblies for more info.



SYS Systems & Assemblies

System Overview:

The Western Blended Products Crack Resistant System (CRS) is an engineered reinforcing skim coat assembly designed to enhance the durability and surface performance of portland cement plaster systems.

CRS integrates BPS Armor CRS (Embedment Grade) with WBP Fiberglass EIFS & Stucco Mesh to create a reinforced, polymer-modified surface layer that improves crack resistance and long-term finish integrity.

Unlike conventional skim applications, CRS functions as a coordinated system layer — not simply a skim or repair coat — and may be incorporated into Western 1-Kote, Western One-Pass, or Conventional Stucco assemblies in both residential and commercial construction.

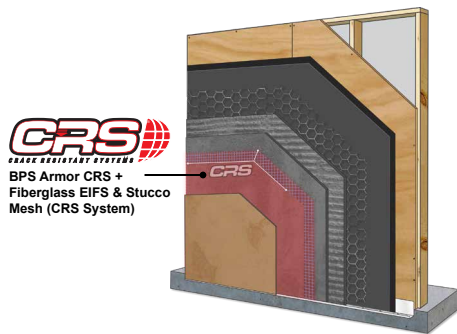
System Intent and Performance:

Portland cement plaster systems are inherently rigid materials applied over substrates that may experience movement due to thermal variation, framing deflection, or environmental exposure. While cracking in cement plaster cannot be entirely eliminated, it can be mitigated through engineered reinforcement.

CRS is designed to:

- Distribute localized stresses across a reinforced mesh layer
- Reduce the visibility and frequency of surface cracking
- Enhance finish coat stability
- Improve overall system durability

When properly installed, CRS provides a reinforced surface layer that enhances the performance expectations of exterior stucco assemblies without altering the core plaster system design.



System Components:

The WBP Crack Resistant System consists exclusively of the following coordinated components:

- BPS Armor CRS (Embedment Grade): A polymer-modified reinforcing basecoat specifically formulated for mesh embedment within CRS assemblies.
- WBP Fiberglass EIFS & Stucco Mesh: A 4.5 oz/yd² non-adhesive, alkali-resistant fiberglass reinforcing mesh designed for full embedment in BPS Armor CRS.

Typical System Configuration:

CRS is applied over a properly cured and prepared cement plaster basecoat, Western 1-Kote, Western One-Pass, or approved masonry or concrete substrate.

The system consists of:

1. Application of BPS Armor CRS reinforcing basecoat.
2. Immediate embedment of WBP Fiberglass EIFS & Stucco Mesh into the wet basecoat.
3. Full encapsulation of mesh to a minimum thickness of 1/16 inch. Mesh shall not be visible after curing.
4. Minimum mesh overlap of 2.5 inches (64 mm) at all seams.
5. Additional reinforcement at corners, penetrations, and high-stress locations.

The reinforced layer is then allowed to cure prior to the application of approved WBP finish systems.

Substrate Requirements:

CRS shall be installed only over substrates that are:

- Structurally sound and properly cured
 - Free of dust, efflorescence, oils, or contaminants
 - Planar, with no irregularities exceeding 1/4 inch within any 4-foot radius
 - Properly flashed at penetrations and transitions
- Concrete or masonry substrates shall be prepared or treated with appropriate bonding methods where required.

Environmental Conditions:

CRS components shall not be installed when surface or ambient temperatures are below 40°F (4.4°C) or above 100°F (38°C).

All cementitious components require a minimum of forty-eight (48) hours moist curing. Extended curing may be required under conditions of heat, wind, or low humidity.

Protect installed materials from freezing, rapid drying, or inclement weather until adequately cured.

System Limitations:

The WBP Crack Resistant System is designed to reduce the occurrence and visibility of surface cracking; however, it does not prevent cracking resulting from structural movement, substrate instability, or improper installation.

CRS is not intended as structural reinforcement, waterproofing, or a substitute for proper control joint placement and detailing.

System performance is dependent upon compliance with WBP installation guidelines and integration within approved stucco assemblies.

Warranty Integration:

WBP CRS Warranty is 3 Years as a stand alone system, and it may be incorporated into qualified Western Blended Products system assemblies. CRS may be eligible for enhanced system warranty options when installed in accordance with WBP requirements. Refer to current Western 1-Kote and Conventional System warranty documentation for specific terms and conditions.

Code and Standards:

CRS is installed within exterior stucco systems governed by applicable building codes and plaster application standards, including:

- ASTM C926 — Application of Portland Cement-Based Plaster
 - ASTM C1063 — Installation of Lathing and Furring
 - ASTM D5035 — Tensile Strength of Textile Fabrics
 - ASTM D2098 — Alkali Resistance of Glass Fiber Strands
 - 2024 International Building Code (IBC)
 - 2024 International Residential Code (IRC)
- CRS functions as a reinforcing enhancement layer within these regulated assemblies.

System Positioning:

The WBP Crack Resistant System represents Western Blended Products' commitment to engineered stucco solutions. By integrating polymer-modified reinforcement and alkali-resistant mesh technology, CRS elevates traditional plaster assemblies into performance-oriented exterior systems.

For architects and consultants seeking enhanced durability without departing from cement-based construction, CRS provides a balanced approach — maintaining the integrity of portland cement plaster while reinforcing its most vulnerable surface layer.



BPS Armor CRS

WBP Fiberglass EIFS & Stucco Mesh

Conditions of Use and Limited Warranty

Specifications for this product are based on optimal environmental conditions (70°F ambient temperature with 50% humidity) for preparation, mixing, application and curing. Specification parameters may vary as environmental conditions change. Consult the product's Safety Data Sheet or GHS Section located on the product package for hazard identification and first aid measures. KEEP OUT OF REACH OF CHILDREN.

Western Blended Products (WBP) warrants that its products are of merchantable quality and suitable for the general purpose for which they are intended when applied in accordance with WBP instructions. The manufacturers of WBP products do not warrant the products to be suitable for any purpose or use other than that for which they are intended. Liability under this warranty is limited to supplying new material without charge or, at the option of the manufacturer of the WBP product, refunding the purchase price. In the event of a claim under this warranty, written notice must be provided to the originating plant of the WBP product at the address shown herein. This limited warranty is issued and accepted in lieu of all other express warranties and expressly excludes liability for consequential damages. Some states do not allow the exclusion or limitation of incidental or consequential damages, or limitations on how long an implied warranty lasts; therefore, the above limitations or exclusions may not apply.

REV 02.13.2026

Sacramento Stucco Co.
1550 Parkway Blvd. West Sacramento, CA 95691 / (916) 372-7442

Western Stucco Co.
6101 N. 53rd. Drive Glendale, AZ 85311 / (623) 939-9455

Rio Grande Stucco Co.
9151 Roseway Drive El Paso, TX 79907 / (915) 858-3444



www.westernblended.com

For updated information, please visit our website.

Western Blended Products are manufactured in the U.S.A. & Mexico utilizing the strictest quality control processes to ensure consistent, high-performance products on every project.

