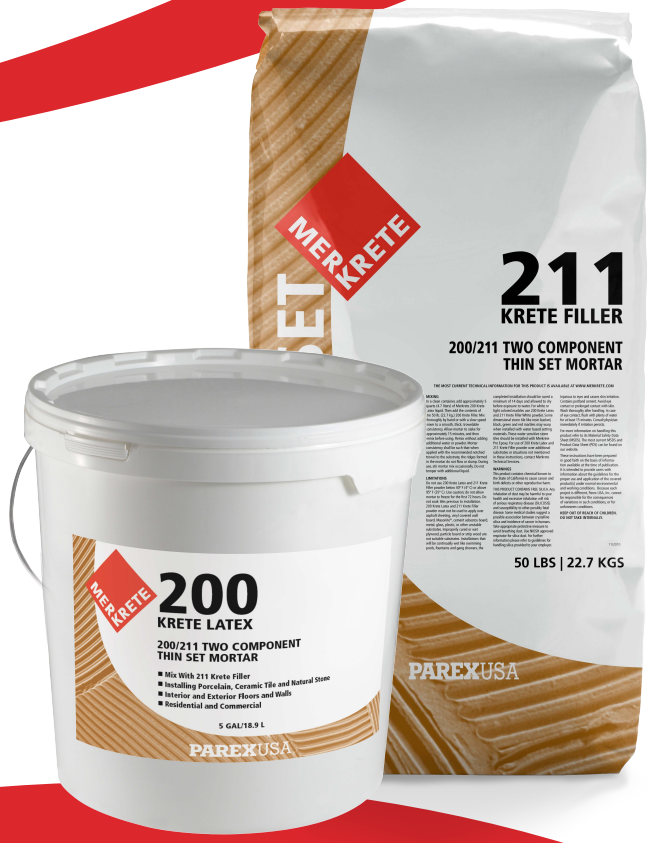
200/211 SYSTEM

TWO-COMPONENT, MULTIPURPOSE, POLYMER-MODIFIED PORTLAND CEMENT FLEXIBLE MORTAR



- Shock resistant
- Freeze-thaw stable
- Interior and exterior
- CTIOA-tested material
- Bonds to wide range surfaces
- Available in gray and white
- Increased flexibility
- Ideal for exterior veneer installations
- Superior adhesion for porcelain and glass tile
- Exceeds ANSI A118.4 for latex Portland cement mortar

1. Product Name

200/211 System

2. Manufacturer

Parex USA, Inc.
2150 Eastridge Ave, Riverside, CA 92507
866-516-0061 • www.merkrete.com

3. Product Description

Basic Use

Merkrete 200 Krete Latex and 211 Krete Filler powder form a two-component, superior-grade, polymer-modified Portland cement flexible thinset mortar for installing ceramic tile and natural stone. This mortar system displays excellent physical properties in adhesion, resiliency, and water, shock and weather resistance. The system has excellent results when used in demanding exterior façade installations. It is recommended for use in the thinset installation method for absorptive, semi-vitreous, vitreous, porcelain and glass tile over properly prepared masonry, concrete and cement backer board. In dry areas, it is suitable for gypsum board.

Uses

200 Krete Latex and 211 Krete Filler powder system is suitable for residential and commercial construction in interior and exterior applications. The system is designed for wall and floors over a wide range of substrates.

Suitable Substrates

- Brick masonry
- Cement backer board[1]
- Cement mortar beds
- Cement plaster
- Cement terrazzo
- Ceramic and stone
- Concrete
- Concrete masonry
- Cutback adhesive[2]
- Gypsum wallboard[3]
- Merkrete brand membranes
- Post tension construction

[1] Cement backer board manufacturer for installation recommendations and to verify acceptability for exterior use.

[2] Remove as much cutback adhesive as possible, apply 626 Primer. If crack isolation is needed, use Fracture Guard or Fracture Guard FD.

[3] Interior use only.

4. Technical Data

Applicable Standards: Merkrete 200 Krete Latex and 211 Krete Filler powder system meets or exceeds industry requirements ANSI A118.4 for latex Portland cement mortar. CTIOA-tested material. Follow ANSI A108.5 for installation.

PROPERTIES		
ANSI 118.4	**ANSI Requirements**	**200 Krete Thinset Results**
Glazed Wall Tile, 48-hour shear	> 100 psi	> 230 psi
Impervious Mosaic, 28-day shear	> 200 psi	> 600 psi
LEED v3 NC VOC	**EQ Credit 4.1**	**200 Krete Thinset Results**
VOC	< 65 g/l	<1 g/l

Packaging

200 Krete Latex 5-gal. (18.92-l) pail; 36 pails per pallet | Color: White
211 Krete Filler 50-lb. (22.7-kg) bag; 48 bags per pallet | Colors: Gray and White

Shelf Life

Reference Parex USA Expiration Date of Products Technical Bulletin.

5. Installation

Surface Preparation

All surfaces must be between 40° F (4° C) and 95° F (35° C) and structurally sound (deflection not to exceed $^{1}/_{360}$ of the span), dry, clean and free from oil, grease, wax, paint, old adhesives, sealers and curing compounds. Any contaminants that inhibit proper bond must be removed. Substrate preparation should be completed following ANSI A108 AN-2 "General Requirements for Sub-surfaces." All substrates should be plumb and true; surface deviation should not exceed $^{1}/_{4}$" in 10'. Patching, leveling or areas requiring a mortar bed should be prepared using Merkrete's underlayment. Movement (expansion) joints should be provided to comply with TCA method EJ 171.

Substrates

Cement Substrates: All concrete substrates should be cured a minimum of 28 days. Smooth, steel-troweled floors should be roughed up using mechanical chipping, scraping or shot blasting. Dampen porous or dry concrete prior to installation of tile. Do not leave puddles or standing water.
Cement Backer Board: Follow cement board manufacturer's instructions.

Mixing

In a clean container, add approximately 5 quarts (4.7 liters) of Merkrete 200 Krete Latex liquid. Then add the contents of the 50-lb. (22.7-kg) 200 Krete Filler. Mix thoroughly by hand or with a slow speed mixer to a smooth, thick, trowelable consistency. Allow mortar to slake for approximately 15 minutes. Remix before using without adding more water or powder. Mortar consistency shall be such that when applied with the recommended notched trowel to the substrate, the ridges formed in the mortar do not flow or slump. During use, stir mortar mix occasionally. Do not temper with additional liquid.

Application

Apply mortar to the substrate with the flat side of the trowel using enough pressure to firmly work into the surface. With a notched trowel, immediately follow with a heavier coat of material using enough mortar to provide 100% coverage to the back of the tile. For some extruded or lug back tiles, back-buttering of tiles may be required. Do not spread more mortar than can be covered in 20 minutes or before the mortar skins over. It is advised that during the installation, remove a tile to ensure the mortar has not skinned over and check the tile and substrate mortar coverage. Comb the mortar using an appropriate notched trowel in one direction. Place tiles in mortar, slide back and forth perpendicular to the ridges to ensure proper coverage. Do not adjust tiles set in mortar after 15 minutes.

Limitations

Do not use 200 Krete Latex and 211 Krete Filler powder below 40° F (4° C) or above 95° F (35° C). Use caution to not allow mortar to freeze for the first 72 hours. Do not soak tiles before installation. 200 Krete Latex and 211 Krete Filler powder must not be used to apply over asphalt sheeting, vinyl covered wall board, Masonite®, cement asbestos board, metal, glass, plastic, or other unstable substrates. Improperly cured or wet plywood, particle board or strip wood are not suitable substrates. For installations that will be continually wet like swimming pools, fountains and gang showers, the completed installation should be cured a minimum of 14 days and allowed to dry before exposure to water. For white or light colored marbles, use 200 Krete Latex and 211 Krete Filler white powder. Some dimensional stone tile like resin-backed, black, green and red marbles may warp when installed with water-based setting materials. These water-sensitive stone tiles should be installed with Merkrete Pro Epoxy. For use of 200 Krete Latex and 211 Krete Filler powder over other substrates or situations not mentioned in these instructions, contact Merkrete Technical Services.

Cleaning

Water is all that is needed to remove any uncured mortar from tiles, tools and equipment.

Coverage

RECOMMENDED NOTCH SIZE		
		
¼" x ¼" 6 mm x 6 mm	¼" x ⅜" 6 mm x 10 mm	½" x ½" 12 mm x 12 mm
Ceramics	Quarry Tile, Rough Stone	Large Tile, Marble, Stone
APPROXIMATE COVERAGES		
65 – 75 sq. ft. 6.0 – 6.9 m^2	55 – 65 sq. ft. 5.1 – 6.0 m^2	35 – 45 sq. ft. 3.2 – 4.2 m^2

6. Availability

Merkrete 200 Krete Latex and 211 Krete Filler powder are available at leading tile houses and construction distributors. Contact Merkrete or visit our website for the name of the nearest dealer at www.merkrete.com.

7. Warranty

5-year, 10-year and Limited Lifetime warranties are available. Contact Merkrete Technical Services or visit our web site for specific warranty information. Merkrete warrants that this product meets applicable ANSI standards in force at the time of manufacture.

8. Maintenance

None required, but installation performance and durability may depend on properly maintaining products supplied by other manufacturers.

9. Technical Services

Merkrete Systems maintains technical field representatives available throughout the country. Call Technical Services at 800-226-2424 for the nearest representative.

10. Literature

For the most up-to-date technical information (details, submittals, SDSs or data sheets), refer to our websites www.parexusa.com or www.merkrete.com.

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