

MERKRETE

200/211 System

Two Component Multipurpose Polymer Modified Portland Cement Flexible Mortar

2. Manufacturer

Parex USA, Inc.
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3. Product Description

BASIC USE: Merkrete 200 Krete Latex and 211 Krete Filler powder, is a two component superior grade polymer modified portland cement flexible thin set mortar for installing ceramic tile and natural stone. This mortar system displays excellent physical properties in adhesion, resiliency, water resistance, and shock and weather resistance. It has had excellent results when used for demanding exterior façade installations. It is recommended for use in the thin set 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 is suitable for residential and commercial construction in interior and exterior applications. 200 Krete Latex and 211 Krete Filler powder is designed for wall and floors over a wide range of substrates.

Advantages

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

Suitable Substrates

- Brick masonry
- Cement backer board¹
- Cement mortar beds
- Cement plaster
- Cement terrazzo
- Ceramic tile and stone
- Concrete
- Concrete masonry
- Cutback adhesive²
- Gypsum wallboard³
- 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 a Crack Isolation is needed use Fracture Guard 5000 or Fracture Guard FD

³ Interior use only

4. Technical Data

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



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Properties:

ANSI 118.4	ANSI Requirements	200 Krete Thin Set 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 Thin Set Results
VOC	< 65 g/l	1 g/l

Packaging:

- 200 Krete Latex 5 gal. pail (18.92 l.) 36 pails per pallet | Color: White
- 211 Krete Filler 50 lb. bag (22.7 kg.) 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) to 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 contaminates which 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 underlayments. 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 previous 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, and then remix before using. Remix without adding additional 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, with enough pressure to firmly work into the surface. With a notched trowel, immediately follow with a heavier coat of material using the appropriate trowel and enough mortar to provide 100% coverage to the back of the tile. 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 insure 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 insure 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; do not allow mortar to freeze for the first 72 hours. Do not soak tiles previous to 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. Installations that will be continually wet like swimming pools, fountains and gang showers, the completed installation should be cured a




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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 additional 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		
		
1/4" x 1/4" 6 mm x 6 mm	1/4" x 3/8" 6 mm x 10 mm	1/2" x 1/2" 12 mm x 12 mm
Ceramics	Quarry Tile, Rough Stone	Large Tile, Marble, Stone
APPROXIMATE COVERAGES		
65 – 75 Ft ² 6.0 – 6.9 m ²	55 – 65 Ft ² 5.1 – 6.0 m ²	35 – 45 Ft ² 3.2 – 4.2 m ²

* Coverage depends on trowel notch size, substrate and job conditions

6. Availability

Merkrete 200 Krete Latex and 211 Krete Filler powder is available at leading tile houses and construction distributors. Contact Merkrete or visit our web site 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. Filing Systems

Merkrete architectural product information available either in catalog form, or electronically on our website at www.merkrete.com.

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