

PREMIUM POLYMER MODIFIED SANDED GROUT

DS.VPJG.061620

PRODUCT

VP Joint Grout
VP Joint Grout - Premium

MANUFACTURER

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DESCRIPTION

VP Joint Grout-Premium and VP Joint Grout are polymer modified cement-fine aggregate mortars designed to fill grout joints of a wide variety of tile, stone, brick, masonry veneers and pavers. They are made with a fine aggregate and are used in interior or exterior joints of 1/8" to 1/2". Both products provide a grout joint with exceptional durability, stain resistance, color fast properties, low shrinkage and high strength. Both products include water repellent polymers for efflorescence control and freeze thaw durability. They are available in numerous standard colors and special order colors to meet individual project requirements. Includes antimicrobial additives. Suitable for residential and commercial projects.

VP Joint Grout - Standard formula provides exceptional strength, water repellent/efflorescence control. Used on most wall installations and moderate traffic conditions. Meets ANSI 118.6 - Compressive strength and water absorption.

VP Joint Grout-Premium - Has additional water repellent and bonding polymers for added flexural strength and stain resistance. Recommended for high traffic and vehicle conditions. Meets ANSI 118.7 - Compressive strength and water absorption.

R-AcrylicAd - Replacing all or part of the mix water will increase chemical/stain resistance and increase flexural bond and impact resistance.

Efflorescence: VP Joint Grout significantly reduces the potential of efflorescence due to its water repellent properties, however due to variables beyond our control, we cannot guarantee efflorescence will not occur.

Colors

VP Joint Grout may be ordered in standard colors and unlimited special order colors. The efflorescence control and water repellent properties help long term appearance of colored joint grout. For color consistency use the same water and tooling techniques. Color can vary dramatically, test installation techniques prior to application.

USES

Grouting/pointing mortar for joints requiring a fine aggregate (1/8"-1/2") :

- Thin brick
- Natural stone
- Manufactured stone
- Concrete pavers
- Tile
- Pre-cast concrete
- Brick pavers

ADVANTAGES

- Interior and exterior
- Low shrinkage
- High bond strength
- Efflorescence protection
- Water repellent properties
- Excellent freeze thaw durability
- Low staining properties
- Floors and walls

PACKAGING

VP Joint Grout is available in 50lb. moisture resistant bags. **SHELF LIFE:** When stored in a cool dry area, with low humidity, shelf life is approx. six months to one year.

COVERAGE

Approximately .39 Cu. Ft. per 50 lb bag. Coverage will vary due to joint and veneer size.

LIMITATIONS

- Do not apply when temperatures are below or expected below 40°F prior to cure.
- Local building codes must be followed.
- Substrate must be sound-any cracks or excessive movement may telegraph through mortar or cause bond failure.
- VP Joint Grout is not recommended for expansion joints.
- Avoid applications in high heat, wind & cold (follow ANSI, ASTM, & TCNA).
- Important to use the same amount of water and installation techniques for uniformity in color
- Weather, absorption of masonry units, and installation procedures have an impact on finished colors.
- Do not use acid to clean colored cement grout joints.

TECHNICAL DATA

VP Joint Grout meets the compressive strength and water absorption specifications of ANSI 118.6 and ANSI 118.7 (Premium). VP Joint Grout is a blend of Portland Cement (ASTM C-150), fine aggregate, R-Mortar Aid, and proprietary polymer additives. For additional stain resistance and flexural properties replace, part or all, of the mix water with R-Acrylic Ad.

Typical Test results - (ANSI 118.7)

Compressive Strength - >3000psi.
 Water Absorption - < 5 % (Premium)

INSTALLATION

Substrate: All surfaces must be structurally sound and conform to good engineering practices. Substrate deflection under all live, dead and impact loads, including concentrated loads must not exceed L/360 for thin bed installations or L/480 for thick bed stone installations when L= span length. Installations shall be in accordance with the IBC, TCA, ANSI and local building codes. Movement joints shall be brought through mortar and veneer to the surface. VP Joint Grout is not recommended for movement or expansion joints. **All surfaces must be sound, clean, and free from any dirt, oil, paint, bond breakers, efflorescence or any contaminant which may hinder bond.**

Mixing: Add VP Joint Grout to clean potable water. Mix with a drill at low speed, taking care not to whip excessive air into the mix. **Do Not Over Mix - high air content will lower strength.** Allow to set for 10 minutes prior to use. Remix if necessary. For best color consistency use the same amount of water on each batch. For additional stain resistance and flexural properties, replace part or all, of the mix water with R-AcrylicAd.

Application

Allow bonding mortar to adequately set before grouting. When using a grout bag completely fill the joints between the veneer or paver. Use a joint tool and press grout into the joints. Avoid getting excess grout on veneer. Broom off any dried grout from the veneer after a few hours, do not allow mortar to set on stone or veneer face overnight. Application may also be done by floating the entire surface with grout and working the grout into joints. If the floating method is used on porous or rough tiles, sealing with a grout release may be necessary to prevent staining. Always test a small area to determine the best method. If a rough or rustic look or wider joint is desired MAC Mortar, MAC Plus, or MAC Plus-Premium is recommended.

Clean-up: Clean tools and masonry units with water prior to mortar curing.

Sealing: If additional surface protection is required, a penetrating sealer or film forming sealer may be applied after adequate curing. Always test a small area. Check with sealer manufacturer for suitability of the intended application.

AVAILABILITY / TECHNICAL SERVICES

Contact ORCO Blended Products for dealers in your area and technical services at 877-838-6726.

CAUTION

Prolonged exposure to dust may cause delayed lung disease. Eliminate exposure to dust. Use NIOSH approved mask for silica dust. Freshly mixed materials may cause skin irritation. Avoid direct contact where possible and wash exposed skin areas promptly. If any cementitious materials get into the eyes, rinse immediately and repeatedly with water and get prompt medical attention. See SDS sheet. **Warning:** This product can expose you to Silica, crystalline (airborne particles or respirable size) which is known to the State of California to cause cancer. For more information go to www.p65Warnings.ca.gov.

WARRANTY

The technical information and usage statements are based on our best knowledge. The contents of this specification sheet are presented for informational purposes only and do not constitute responsibility for their use. The manufacturer will replace only that material which is proven defective due to quality of the components or the manufacturing process.



VP Joint Grout - Premium (E Street Project)



VP Joint Grout for Pre-Cast



Thin Brick Applications

PRODUCT DATA SHEETS ARE SUBJECT TO CHANGE WITHOUT NOTIFICATION. TEST RESULTS SHOWN ARE TYPICAL BUT FIELD PERFORMANCE WILL VARY DEPENDING ON INSTALLATION METHODS AND JOB CONDITIONS. *MAC AND VBM MORTARS ARE A TRADEMARK OF R-CRETE INC.