

PAREX USA

CARVABLE MORTAR

Thixotropic Mortar

2. Manufacturer

Parex USA, Inc.
4125 E. La Palma Ave., Suite 250
Anaheim, CA 92807
866-516-0061
www.parexusa.com

3. Product Description

Basic Use: Carvable architectural mortar is a polymer modified mortar used to create shapes, relief and sculpted structures.

Uses: Carvable Mortar can be used for a variety of substrate including over lath, rocks, CMU/brick, interior plaster, drywall/ gypsum sheathing, EPS, stucco basecoats. It only requires the addition of water onsite.

Advantages

- Build up to 6" thick
- Machine or hand applied
- Extended open time
- Paintable

4. Technical Data

Properties:

TESTING PARAMETERS	RESULTS
POT LIFE, HR. RT	105 min
SET TIME 40°F RT	330 min (I) 360 min (I)
CURE TIME 40°F RT	24 hours 24 hours
COMPRESSION TEST (ASTM D109) 3-DAY 28-DAY	286 psi 704 psi
LINEAR SHRINKAGE (ASTM C157) 28 day, %	Testing in Progress
FLOW TABLE (ASTM C230)	Testing in Progress
FLEXURAL STRENGTH (ASTM C293)	565 psi
DUROMETER HARDNESS	50-60
TIME TO CARVE, MIN RT 40°F	150 - 200 180 - 270
CURING TIME BEFORE PAINTING	7 Days

Packaging: 80 lb. bag (39.6 Kg)

Shelf Life: Reference Parex USA Expiration Date of Products Technical Bulletin.

5. Installation

Surface Preparation: All surfaces to receive application must be clean and free of debris, dirt, dust, efflorescence, grease, oils, curing agents, rust/corrosion, and cleaning solutions. Ensure that all surfaces are smooth and free of irregularities. Repair all cracks with the appropriate patching material for the substrate. When applying over a cementitious surface, dampen all surfaces with water, allowing absorption prior to application. For additional options for surface preparation, contact Parex USA Technical Support.

Mixing: Use clean equipment for mixing and preparation. Carvable Mortar requires approximately 2-2.5 gal (8.2-9.3L) of cool clean potable water per 80 lb bag. For machine mixing, use a pressure of 10 to 12 bars and mix between 3 and 5 minutes. For hand mixing: use a heavy duty ½ in. (13mm) drill with a rust free paddle at 400-500 rpm. Avoid air entrainment. Mix to a homogeneous consistency. Let the mixture stand for 5 to 10 minutes to achieve a false set, then remix again until the mixture is smooth and creamy. Carvable Mortar should be used immediately after tempering. No additives of any kind, such as rapid binders, anti-freeze, accelerators, fillers, pigments, etc., should be added under any circumstance.

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Application: For relief structures or sculptures, the application must be on a metal framework affixed to a support structure. Any non-homogeneous substrates or applications thicker than 1 1/8" also require a metal framework for support. Start by applying a 3/4" first coat to skim and add strength to the structure. Allow to dry 4-36 hours depending on climate conditions, then apply successive coats to achieve the desired thickness and shape, up to 6" in total thickness. Wait 15 min between coats to allow previous coat to set. Carve the material as soon as the product becomes rigid. A wet brush can be used to smooth the surface after carving. Moist cure for 48 hours once product has set. Finish (paint, cement finish, stucco or another coat of Carvable Mortar) can be applied 7 days after the product has set.

Limitations: Ambient and surface temperature must be 40°F (4°C) or higher during application and curing time. Provide supplemental heat and protection from precipitation as needed. Special precaution should be taken in temperatures over 90°F. Ambient and surface temperatures must not exceed 120°F (49°C) during and 24 hours after application. Do not apply to a frozen substrate. Use only on surfaces that are sound, clean, dry, unpainted and free from any residue which may affect the ability of the Carvable Mortar to bond to the surface. Application in direct sunlight in hot weather may adversely affect aesthetics. Do not apply Carvable Mortar to EIFS basecoats or to acrylic finishes. Do not apply EIFS adhesives or EIFS basecoats to Carvable Mortar. Always wear proper safety equipment, including particle mask, when mixing and/or applying this product.

Cleaning: Parex USA Carvable mortar is water-soluble prior to drying. Clean tools and containers with water before polymer/cement mixture sets.

Coverage: Depending on the condition of the substrate, thickness and method of application, approximate coverage per bag is: 40 ft² at 3/8" thickness.

6. Availability

For the name of the nearest dealer near you, contact **Parex USA Customer Service at 877.547.8822** or visit our websites at **www.parex.com** or **www.lahabrastucco.com**.

7. Warranty

Contact **Parex USA Technical Services at 800.226.2424** or visit our websites at **www.parex.com** or **www.lahabrastucco.com**.

8. Maintenance

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

9. Technical Service

Parex USA 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, SDS or data sheets), refer to our websites at **www.parex.com** or **www.lahabrastucco.com**.

