

PRODUCT DATA SHEET

SikaWall® Carvable Mortar

Sculptable and Shapable Mortar

PRODUCT DESCRIPTION

SikaWall® Carvable Mortar is a polymer modified architectural mortar used to create shapes, relief and sculpted structures.

USES

SikaWall® Carvable Mortar can be used to replicate stone, rocks, boulders and mountainous settings.

CHARACTERISTICS / ADVANTAGES

- Can be applied up to 6" thick
- Machine or hand applied
- Extended open time
- Paintable
- Only requires the addition of potable water at the jobsite

PRODUCT INFORMATION

Packaging	80 lb (39.6 Kg) bag	
Shelf Life	15 months, properly stored in original containers.	
Storage Conditions	Store off ground and protect from moisture and direct sun, do not allow to freeze.	
Shore Hardness	50-60	(Durometer Hardness)
Compressive Strength	286 psi (3-Day) 704 psi (28-Day)	(ASTM D109)
Flexural Strength	565 psi	(ASTM C293)
Coverage	Depending on the condition of the substrate, thickness and method of application, approximate coverage per bag is: 40 ft ² at 3/8" thickness.	
Substrates	Acceptable substrates: ▪ Metal Lath or Welded Wire Stucco Netting ▪ Rocks ▪ Concrete masonry Units /Brick ▪ Stucco basecoats	
Pot Life	105 min	(RT, RH)
Cure Time	24 hrs.	(RT, RH)

Tooling Time	150-200 min (RT) 180-270 min (40°F)	(Time to carve)
Waiting / Recoat Times	7 Days	(Curing time before painting)
Thinner	6 hrs.	(RT, RH)

BASIS OF PRODUCT DATA

Results may differ based upon statistical variations depending upon mixing methods and equipment, temperature, application methods, test methods, actual site conditions and curing conditions.

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 SikaWall® Carvable Mortar to bond to the surface.
- Application in direct sunlight in hot weather may adversely affect aesthetics.
- **DO NOT** apply SikaWall® Carvable Mortar to EIFS basecoats or to acrylic finishes.
- **DO NOT** apply EIFS adhesives or EIFS basecoats to SikaWall® Carvable Mortar.

ENVIRONMENTAL, HEALTH AND SAFETY

For further information and advice regarding transportation, handling, storage and disposal of chemical products, user should refer to the actual Safety Data Sheets containing physical, environmental, toxicological and other safety related data. User must read the current actual Safety Data Sheets before using any products. In case of an emergency, call CHEMTREC at 1-800-424-9300, International 703-527-3887.

APPLICATION INSTRUCTIONS

SUBSTRATE 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 Sika Facades Technical Support.

MIXING

Use clean equipment for mixing and preparation.

- SikaWall® 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. SikaWall® Carvable Mortar should be used immediately after tempering.
- No additives of any kind, such as rapid binders, antifreeze, accelerators, fillers, pigments, etc., should be added under any circumstance.

APPLICATION

SikaWall® Carvable Mortar is water-soluble prior to drying. Clean tools and containers with water before polymer/cement mixture sets.

- 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 SikaWall® Carvable Mortar) can be applied 7 days after the product has set.

LEGAL DISCLAIMER

- **KEEP CONTAINER TIGHTLY CLOSED**
- **KEEP OUT OF REACH OF CHILDREN**
- **NOT FOR INTERNAL CONSUMPTION**

- FOR INDUSTRIAL USE ONLY
- FOR PROFESSIONAL USE ONLY

Prior to each use of any product of Sika Corporation, its subsidiaries or affiliates ("SIKA"), the user must always read and follow the warnings and instructions on the product's most current product label, Product Data Sheet and Safety Data Sheet which are available at usa.sika.com or by calling SIKA's Technical Service Department at 1-800-933-7452. Nothing contained in any SIKA literature or materials relieves the user of the obligation to read and follow the warnings and instructions for each SIKA product as set forth in the current product label, Product Data Sheet and Safety Data Sheet prior to use of the SIKA product.

SIKA warrants this product for one year from date of installation to be free from manufacturing defects and to meet the technical properties on the current Product Data Sheet if used as directed within the product's shelf life. User determines suitability of product for intended use and assumes all risks. User's and/or buyer's sole remedy shall be limited to the purchase price or replacement of this product exclusive of any labor costs. **NO OTHER WARRANTIES EXPRESS OR IMPLIED SHALL APPLY INCLUDING ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. SIKA SHALL NOT BE LIABLE UNDER ANY LEGAL THEORY FOR SPECIAL OR CONSEQUENTIAL DAMAGES. SIKA SHALL NOT BE RESPONSIBLE FOR THE USE OF THIS PRODUCT IN A MANNER TO INFRINGE ON ANY PATENT OR ANY OTHER INTELLECTUAL PROPERTY RIGHTS HELD BY OTHERS.**

Sale of SIKA products are subject to the Terms and Conditions of Sale which are available at <https://usa.sika.com/en/about-us/terms-conditions-of-sale.html> or by calling 1-800-933-7452.

Sika Corporation

201 Polito Avenue
Lyndhurst, NJ 07071
Phone: +1-800-933-7452
Fax: +1-201-933-6225
usa.sika.com



Product Data Sheet

SikaWall® Carvable Mortar
September 2026, Version 01.01
021850801100245850

SikaWallCarvableMortar-en-US-(09-2026)-1-1.pdf

