

PRODUCT DATA SHEET

SikaWall®-560 Carvable Mortar

Sculptable and Shapable Mortar

PRODUCT DESCRIPTION

SikaWall®-560 Carvable Mortar is an architectural mortar is a polymer modified mortar used to create shapes, relief and sculpted structures.

USES

SikaWall®-560 Carvable Mortar can be used to replicate stone, rock, 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 water at the jobsite

APPROVALS / STANDARDS

TESTING PARAMETERS

POT LIFE, HR.

RT

SET TIME 40°F

RT

CURE TIME 40°F

RT

COMPRESSION TEST (ASTM D109)

3-DAY

28-DAY

LINEAR SHRINKAGE (ASTM C157)

28 day, %

FLOW TABLE (ASTM C230)

FLEXURAL STRENGTH (ASTM C293)

DUROMETER HARDNESS

TIME TO CARVE, MIN

RT

40°F

CURING TIME BEFORE PAINTING

RESULTS

105 min

330 min (I)

360 min (I)

24 hours

24 hours

286 psi

704 psi

***** Missing

***** Missing

565 psi

50-60

150 - 200

180 - 270

7 Days

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. |

APPLICATION INFORMATION

| | |
|-------------------|--|
| 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: <ul style="list-style-type: none">▪ Lath▪ Rocks▪ Concrete masonry/brick▪ Interior plaster▪ Drywall▪ EPS▪ Stucco basecoats |

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®-560 Carvable Mortar to bond to the surface.
- Application in direct sunlight in hot weather may adversely affect aesthetics.
- Do not apply SikaWall®-560 Carvable Mortar to EIFS basecoats or to acrylic finishes.
- Do not apply EIFS adhesives or EIFS basecoats to SikaWall®-560 Carvable Mortar.
- Always wear proper safety equipment, including particle mask, when mixing and/or applying this product.
- For additional technical guidance, contact Technical Services at (800) 226-2424

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

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 Sika Facades Technical Support.

MIXING

Use clean equipment for mixing and preparation.

- SikaWall®-560 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®-560 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.

APPLICATION

SikaWall®-560 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®-560 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.

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Product Data Sheet

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