

PRODUCT DATA SHEET

SikaWall®-485 MP Texture

Inorganic, potassium silicate-based, mineral coarse textured filling paint

PRODUCT DESCRIPTION

SikaWall®-485 MP Texture is a coarse textured filling, potassium silicate tinted priming paint used as a base coat exclusively in combination with SikaWall®-485 MP. It can be used to fill non-moving hairline cracks and equalize different textures on facades. It is particularly suitable for old historic and new surfaces. Ready-to-apply, for exterior and interior use, on vertical surfaces.

WHERE TO USE

- SikaWall®-485 MP Texture can be applied on surfaces as a basecoat on repaired substrates or on any absorbent mineral substrates with texture differences or hairline cracks up to 0.3 mm (12 mils).
- Note: Absorbent surfaces include, but are not limited to: concrete, brick, most stones, historic masonry, mortars, lime plasters, stucco, CMU, GFRC, cement boards and plasters.

CHARACTERISTICS / ADVANTAGES

- Fills cracks up to 0.3 mm (12 mils) wide
- Extremely vapour-permeable – allows the system to breathe
- Non-flammable - Does not release toxic gases or smoke in case of fire
- All components are UV stable
- Durable bonding to the substrate by silicification
- Does not flake
- Water-repellent - excellent resistance to weathering, acid rain, and industrial pollutants
- Resistant to fungal growth and algae
- Easy to apply & excellent covering power
- Low VOC content

PRODUCT INFORMATION

Composition / Manufacturing	Organic Content: < 5 %
Packaging	15.14 L (4 US gal.) (packaged in a 5 US gal. pail)
Appearance / Colour	Liquid / White and other colours available. Refer to SikaWall® colour selection chart. When coloured, the shade of SikaWall®-485 MP Texture will look approximately 2 shades lighter than the SikaWall®-485 MP final coat.
Shelf Life	12 months in its original, unopened pail.
Storage Conditions	Store protected, in dry conditions, at temperatures between 5 °C to 30 °C. Do not expose to direct sunlight and heat. Close the opened packaging well. If there is paint left over, the remaining amount should be transferred into smaller containers to keep the air content as low as possible. Protect from

freezing. If the product has frozen, do not use.

Density	ASTM C127-15 / ~ 1.49 g/cm ³
Maximum Grain Size	0.5 mm (20 mils) quartz granules
pH-Value	ASTM D5324-16 / ~ 11
Volatile organic compound (VOC) content	White or tinted < 0.7 g/L
CSC MasterFormat®	09 97 23 Concrete and Masonry Coatings
Resistance to Fire	Surface burning characteristics ASTM E84 / Class A: Flame Spread Index = 0 / Smoke Developed Index = 0 UL 723 / Class A: Flame Spread Index = 0 / Smoke Developed Index = 0
Resistance to UV Exposure	ASTM G154 - UV A - 2000 hours / Pass - No yellowing, cracking or delamination ASTM 4587 - UV B - 500 hours / Pass - No yellowing, cracking or delamination
Microbiological Resistance	ASTM D3273 / Passes—No fungal growth
Water Vapour Transmission	ASTM E96 / 27.5 g/h*m ²
Water Permeability	ASTM E96 / 82,5 perm
Gloss Level	ASTM D523 / Matte 0.35
Resistance to wind-driven rain	ASTM E514 / Pass
Light fastness of colour pigments	ASTM 4587 UVB 500hs / No Color change
Consumption	Approximately 100 m ² to 120 m ² (1075 ft ² to 1290 ft ²) per 15.14 L (4 US gal.) per coat of SikaWall®-485 MP Texture. The consumption indicated is a reference value on a smooth surface. Exact values can only be determined by painting test areas on the structure to be coated using tools and techniques that will be used for the final application. Refer to the relevant Product Data Sheet (PDS) for each SikaWall®-485 products for more consumption references.
Product Temperature	Minimum 5 °C / Maximum 30 °C
Ambient Air Temperature	Minimum 5 °C / Maximum 30 °C
Relative Air Humidity	Maximum relative humidity 80 %
Substrate Temperature	Minimum 5 °C / Maximum 30 °C
Pot Life	12 months in tightly closed container.
Curing Time	The product will be dry to the touch within 1 to 3 hours. After application the surface must be protected from strong winds and sun until the product is dry (3-6 hours), it must also be protected from rain until the end of the cure which lasts between 12 at 36 hours depending on temperature and humidity.
Waiting Time / Overcoating	It is necessary to calculate a minimum of twelve (12) hours between each coat.

SYSTEMS

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System Structure

As part of the SikaWall®-485 MP mineral paint system, SikaWall®-485 MP Texture serves as a base and intermediate coat. SikaWall®-485 MP Texture cannot be used as a finish coat, it needs to be covered by two (2) coats of SikaWall®-485 MP. SikaWall®-485 MP Texture can be mixed with SikaWall®-485 MP Dilution. Refer to the “Substrate Quality / Pre-treatment” section for the different product combinations.

BASIS OF PRODUCT DATA

Product properties are typically averages, obtained under laboratory conditions. Reasonable variations can be expected on-site due to local factors, including environment, preparation, application, curing and test methods.

LIMITATIONS

- SikaWall®-485 MP Texture must always be over coated with two (2) coats of SikaWall®-485 MP.
- SikaWall®-485 MP Texture is not suitable for application on horizontal surfaces.
- SikaWall®-485 MP Texture is not intended to seal dynamic cracks.
- Do not dilute SikaWall®-485 MP Texture with water, use SikaWall®-485 MP Dilution.
- Do not mix SikaWall®-485 MP Texture with other products or additives.
- SikaWall®-485 MP Texture must not be applied at temperatures below 5 °C nor those in excess of 30 °C, nor if it is raining, or if there is an immediate likelihood of rain.
- Do not apply SikaWall®-485 MP Texture in direct sunlight, on overheated support and in strong winds.
- Provide appropriate protection for surfaces such as glass, natural stone, ceramics, etc. which are not to be coated. Any splashes of SikaWall®-485 MP Texture on surrounding surfaces or traffic areas must be rinsed off immediately with plenty of water
- SikaWall®-485 MP Texture Not compatible with resin-based coatings, plasto-elastomeric coatings, saponifiable old paints (as it may be the case for certain oil-based paints), and other non-wettable substrates (such as lacquers and varnishes)

ENVIRONMENT, HEALTH & SAFETY

User must read the most recent corresponding Safety Data Sheets (SDS) before using any products. The SDS provides information and advice on the safe handling, storage and disposal of chemical products and contains physical, ecological, toxicological and other safety-related data.

APPLICATION INSTRUCTIONS

EQUIPMENT

SikaWall®-485 MP Texture can be applied by:

- Brush: Use a natural bristle or nylon / polyester
- Roller: Use a 13 mm to 19 mm ($\frac{1}{2}$ in to $\frac{3}{4}$ in) nap synthetic roller cover

Application by brush is best for crack filling as material can be worked into all surfaces well.

SURFACE PREPARATION

The substrate must be sound, solid, dry, absorbent, clean, and free from dust, grease, oils, salts, moss, algae, and other substances that would impair adhesion. Old oil-based coatings, loose substrates, organically bound layers, and coatings should be removed. Damaged substrate should be repaired before painting with an appropriate Sika® repair material. Wait a minimum of 48 hours before applying the SikaWall®-485 MP Texture on a repaired surface. Consult Sika Canada for recommendations.

Larger cracks up to 1 mm (40 mils) or large differences in texture may require primer with SikaWall®-485 MP Primer Plus as a basecoat.

Soft, porous, and highly absorbent surfaces or old existing mineral layers can be stabilized by pre-treatment with SikaWall®-485 MP Dilution.

New mortar or masonry surfaces may require treatment with SikaWall®-485 MP Lime Remover before painting if lime deposits or cement laitance are present.

Surface contaminants must be completely removed with SikaWall®-485 MP Detergent or by other appropriate mechanical means.

Old film-forming coatings which may interfere with vapour diffusion and/or non-adhering coatings should be removed using SikaWall®-485 MP Decap or by other appropriate mechanical means.

Old, well-adhered acrylic coatings that will remain on the surface should be coated with SikaWall®-485 MP Primer or SikaWall®-485 MP Primer Plus as a primer coat before applications of SikaWall®-485 MP Texture.

MIXING

Mix SikaWall®-485 MP Texture to ensure uniformity using a slow speed (300 - 450 rpm) drill fitted with a *Jiffy-style* paddle. Mix for about three (3) to five (5) minutes until a homogeneous mixture is obtained.

If it is planned to use SikaWall®-485 MP Dilution as a diluent with SikaWall®-485 MP Texture, mix each product separately using a drill firstly. Then add SikaWall®-485 MP Dilution to SikaWall®-485 MP Texture and stir all materials together. Always have accurately measured materials. Do not exceed the recommended amounts. The recommended percent dilution is an "added by volume" rather than a ratio, as a rule:

A ratio of 10 % is equivalent to:

- 1.5 L (0.4 US gal) of SikaWall®-485 MP Dilution for 15.14 L (4 US gal) of SikaWall®-485 MP Texture

The paint should be stirred regularly in its container before and during application to avoid segregation of constituents.

APPLICATION

It is important to work "wet-on-wet", always maintaining a wet edge. Work corner to corner or use an architectural feature as a starting and stopping point.

IMPORTANT NOTE : Always carry out an application test in an inconspicuous to verify substrate conditions and to confirm application method, consumption rate, coverage and satisfactory finish. Best practice suggests that the selected area is acceptable to all parties involved and that it is representative of the area to be eventually painted.

LOCAL RESTRICTIONS

Note that as a result of specific local regulations the declared data and recommended uses for this product may vary from country to country. Consult the local Product Data Sheet for exact product data and uses.

LEGAL NOTES

The information, and in particular, the recommendations relating to the application and end-use of Sika products, are given in good faith based on Sika's current knowledge and experience of the products when properly stored, handled and applied under normal conditions in accordance with Sika's recommendations. In practice, the differences in materials, substrates and actual site conditions are such that no warranty in respect of merchantability or of fitness for a particular purpose, nor any liability arising out of any legal relationship whatsoever, can be inferred either from this information, or from any recommendations, or from any other advice offered. The information contained herein does not relieve the user of the products from testing them for the intended application and purpose. The proprietary rights of third parties must be observed. All orders are accepted subject to our current terms of sale and delivery. Users must always refer to the most recent issue of the local Product Data Sheet for the product concerned, copies of which will be supplied on request or may be downloaded from our website at: www.sika.ca

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SikaWall-485MPTTexture-en-CA-(01-2025)-2-1.pdf

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