



SVKrete - MF

Self-leveling high strength polyurethane-cement coating for industrial floors.

Description:

- Multi-component Modified Polyurethane mortar, which mixed with fine selected loads, makes svkrete MF, a mortar of high abrasion resistance, in addition to having excellent mechanical and chemical resistance.
- Svkrete-MF is a self-leveling mortar and it is recommended to apply in a thickness between 3-5mm.

Qualities/Advantages:

- It can be applied in green concrete (with 12 days of emptying).
- Svkrete-Mf can be applied on a floor that has up to 12% humidity / m².
- Excellent resistance to abrasion, impact and very good chemical resistance.
- Excellent resistance to thermal shocks and liquid spills at 70 °C, and also suitable for temperatures up to -15 °C.
- It is odorless, does not cause damage to the skin and is not toxic (free of voc).
- Allows light traffic a few hours after installation.
- Svkrete-MF, applied in a self-leveling layer, can be quickly installed and offers long-term operation without maintenance becoming a problem for more aggressive environments.
- Excellent chemical resistance, combined with abrasion resistance, makes Svkrete-Mf in most industrial applications in aggressive environments exhibit outstanding chemical resistance from both chemicals and strong oxidizing agents. Organic acids and aromatic solvents cannot harm our Mortar Svkrete-Mf.

Application Places:

- Svkrete-Mf is designed to be applied to floors in the food industry.
- On floors of the chemical industry.
- On industrial slaughterhouses.
- Beverage or bottling industries.
- Sausage companies.
- Restaurants.
- Industrial kitchens.
- Deposits.
- Among many others that may require a highly resistant and easy to clean floor.

SERVITETOP INC

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Technical Sheet

Application Method:

- The surface preparation is key to guarantee the optimal operation of the SvKrete-Mf system, for this we recommend preparing it mechanically with Shot Blasting Machine or Diamond Disc Industry Equipment, in order to eliminate any cement slurry, any dirt or contamination existing in the substrate where svkrete-Mf is to be applied.
- The concrete can have 12 days of emptying, it can be dry or moderately humid without wells or puddles of water.
- It is necessary to do a job to repair cracks and joints it is recommended to do it with Svfloor MMAcryl system.
- After almost completely removing all loose material and dust by suction, the Svkrete-Mf is emptied and applied.

Mixture:

- In a clean container with sufficient capacity, pour the contents of part A after stirring, then immediately add Part B after stirring too, mixing with a low revolution stirrer immediately add the load and pigment, then mix for 2-3 min and finally take it to the place where it is going to be emptied.

Emptying:

- Pour the mixed content of Svkrete-Mf over the surface to be coated and spread it with a leveling rake in the required thickness 3 - 5mm.
- After this, immediately pass a Barbed Roller repeatedly to remove trapped air that might remain during mixing and also assist in leveling.

NOTE: It can be left with a smooth finish. But if higher levels of roughness are required, more abrasion mechanics and chemistry resistance, decorative quartz can be added and also an application of two layers of Svfloor MMAcryl 2526 TC as final finish.

Theoretical performance:

- The Svkrete-Mf kit:
- **Smooth finish:** covers between 2-3 m² / kit with a thickness of 3-5 mm.
- **Non-slip finish:** The Svkrete-Mf kit covers between 2-3 m² / kit with a thickness of 3-5 mm. Fresh sprinkling of Quartz (0.6 - 1) approx 2 kg / m². Finished with two layers of Svfloor MMAcryl 2526 TC 400-800 gr / m².

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**Tables of resistances and physical properties:****Technical information:**

Dry to the touch +23 C y 50% H.R.	2 - 4 hours
Passability at +23°C y 50% H.R.	24 hours
Full hardening	4 days
Shore D hardness after 28 days	83

Propiedades Fisicas:

Features	Testing method	Requirements according to EN 13813 for cementitious screeds	Product performance
Flexural strength after 28 days	EN 13892-2	Declared Value	15 N/mm ²
Compressive strength after 28 days	EN 13892-2	Declared Value	50 N/mm ²
Adhesion after 28 days	EN 13892-8; 2004	≥ 1,5 N/mm ²	4,6 N/mm ²
Water resistance	EN 1062-3	Declared Value	w 0,021 kg (Clase III)
Wear resistance	EN ISO 6272	≥ IR 4	IR10 (10 Nm)
Resistance to Bohme abrasion at 28 days	EN 13892-2	Declared Value	A 6
Taber Test after 28 days (at +28 °C, 50% of H.R.)	EN ISO 5470-1	< 3000 mg	665 mg
Class of reaction to fire	EN 13501-1	from A1 to F1	B - s1

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Important

Observations:

- Do not apply Svkrete-MF on supports that have shallow water wells or on young floors with less than 10 days from emptying.
- Do not dilute Svkrete-MF with solvents or water.
- Do not apply Svkrete-Mf on floors contaminated by oils, grease or dirt in general.
- Do not apply Svkrete-Mf on floors not properly prepared.
- Do not mix partial quantities, in order to avoid errors in the proportions and, consequently, cause an incorrect hardening of the product.
- Do not expose the mixed product to heat sources.
- Do not apply Svkrete-MF on ceramic floors or stone materials in general.
- Svkrete-MF coatings exposed to natural light may suffer discoloration; This fact does not affect the qualities of the coating.
- The color of the coating may present alterations in exposures or contacts with chemically aggressive products; The discoloration does not indicate chemical aggression in the coating.
- Remove as soon as possible chemical substances that may come into contact with the Svkrete-MF coating.
- Protect the product from contact with water for at least 24 hours of its application.

Legal Notes:

- The information contained in this document was given in good faith, based on the experience and knowledge that Servitetop inc. has on the product, as long as it has been stored, handled and applied in normal situations according to the indications and recommendations of Servitetop inc.
- The information contained herein does not exonerate the user from making the necessary tests of the products in the places where they will be applied to obtain the best results.

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