



ACETOXY CURE

SANITARY SILICONE SEALANT

PROFI-SIL® SANITARY is a multi-purpose acetoxy silicone sealant for sealing, bonding and isolation of windows, glass, wooden materials, metal, ceramics and sanitary installations. Due to antibacterial properties, it is suitable for uses in kitchens and bathrooms.

PROFI-SIL® ANTİBAKTERYEL kullanıma hazır çok amaçlı bir asetoksal silikon dolgu malzemesidir. Cama, sırlı yüzeylere, birçok metale, plastik çeşitlerine ve kaplanmış yüzeylere mükemmel yapışma sağlar. Çalışan fugalarda, izolasyon ve yapıştırma gayesiyle ve antibakteryal özelliğiyle bilhassa banyo ve mutfaklardaki fayansların suya veya neme maruz kalabilecek tüm yapı elemanlarının birleşim yerlerinde kullanılır.

PROFI-SIL® САНИТАРНЫЙ - готовый к применению силикон, устойчив к различным атмосферным явлениям и химическим воздействиям. Высокая эластичность, применяется при изоляции, ремонте сантехники, монтаже ПВХ, стекла и арматур, а также при работе с деревом, металлом и керамикой.



TECHNICAL DATA SHEET

PROFI-SIL® ACETOXY CURE SANITARY SILICONE SEALANT

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Product Description

PROFI-SIL® Sanitary Silicone Sealant (Antibacterial) is a high quality, acetoxy silicone sealant for mildew resistant sealing and bonding of sinks, connections around baths, washbasins, showers, cabs and pools, pointing in the kitchen, pointing of joints in tiles and corner connections, sealing in cold storage rooms, containers and more. It adheres to ceramic, glazed tiles, glass, aluminum, most types of non-oily woods, silicone resin, vulcanized silicone rubber, natural and synthetic fiber and many painted and plastic surfaces.

Properties

- Ready to use
- Acetoxy curing system
- Room temperature cure
- One part silicone sealant
- Low modulus
- Excellent resistance to weathering, ultra violet radiation, vibration, moisture, ozone, rain, snow, temperature extremes, airborne pollutants, many cleaning detergents and many solvents
- Ready gunnability at low (-20 °C) and high (+40 °C) temperatures
- Flexible at low (-40 °C) and high temperatures (+100 °C)
- Abrasion-resistant
- Non-slumping
- Compatible with water-based and solvent-based coatings: no plasticizer migration

Benefits

- Mildew Resistant
- Resistant to Household Chemicals
- Excellent Adhesion
- Permanent Flexible Seal
- Durable Waterproof Seal

Typical Applications

- sealing and bonding of sinks
- connections around shower-tub enclosures, tubs, sinks, urinals and whirlpools
- sealing around bathroom fixtures
- pointing in the kitchen
- pointing of joints in tiles and corner connections
- sealing in cold storage rooms, containers and more

Industrial Applications

- heating and refrigeration units
- form in place gaskets
- sealing trucks, trailers and RVs
- marine cabins
- appliance trim

Directions

Joint Design and Dimension: The silicone bead should not be thicker than 15mm and the minimum joint width should be 6mm to allow in the construction field proper application and tooling of sealant. The ideal ratio of joint width : depth is 2:1. In any case, the ideal minimum joint width must be four times the expected movement. For proper design deep joints should be filled with Back-up Rod. If joints are too shallow to allow backing material to be used, we recommend use of Masking Tape. This acts as a release film to prevent seal in forming of three-sided adhesion and thus allowing the joint to move and the silicone to stretch freely.

Surface Preparation: Contact area must be dry, clean, free of all loose material, dust, oil, grease, bitumen and ice. Metals must be sound. Remove old materials' residue, especially loose and not sufficiently adhering coatings. Clean and degrease the surface. Dry the surface before silicone application. Since surfaces vary greatly from application to application, it is recommended to perform and evaluate preliminary adhesion and compatibility tests before use. Always contact the substrate-supplier to check which cleaning agent should be used for the specific material in respect of compatibility and surface treatment. PROFISIL[®] Sanitary Silicone Sealant is compatible with all cured one-part silicone sealant. Where two or more different sealant are used, allow the first layer to cure completely before applying the next. To ensure neat sealant edges protect the areas adjacent to the joint with Masking tape.

Application: Cut off the top of the threaded adapter. Screw the nozzle tip on and cut off at a 45° angle, with the diameter equal to the gap width. Place the cartridge in the gun and inject the joint with the sealant. Apply the material with sufficient pressure to the joint sides to ensure immediate adhesion. The applied sealant should be smoothed immediately with a spatula soaked in Smoothing Agent or soapy water for best result. Remove masking tape before skin will form.

Cleaning: Clean while fresh. After curing, it can be removed mechanically only.

Storage Stability:

PROFI-SIL[®] Sanitary Silicone Sealant has a shelf life of at least 12 months if stored in a cool (from +5 °C to +25 °C), dry place in tightly closed containers. The "Best use before end" date of each product is printed on packaging. If the material is kept beyond the recommended shelf life, it is not necessarily unusable, but a quality control should be performed on the properties relevant to the application.

Packaging

PROFI-SIL[®] Sanitary Silicone Sealant is usually supplied in standard size cartridges 310ml and 600ml foil. 400ml foil packaging or 200 L drum can be supplied on request.

Transportation

Sea: IMDG: Not subject to IMDG code

Air: ICAO / IATA-DGR: Not subject to IATA regulation

Characteristics

Type of sealant	: Acetoxy curing-acetic
Specific Gravity (non cured)	: Approx. 0,97 g/ml
Consistency	: Thixotropic
Shore-A hardness (ISO 868)	: Approx. 20
Tensile Strength (2mm thick film)	: Approx. 1,8
Elongation at break	: Approx. 400 %
Application temperature (°C)	: + 5°C - +40 °C
Joint movement capability	: 15 %
Smoothing time	: 10 min. (23 °C & 50 % R.H)
Curing speed	: 1,5 mm/day (23 °C & 50 % R.H)
Shelf life	: 12 months, in original closed cartridges or drums, stored at +5 – +25 °C
Cured sealant	: operates between temperatures -40 – +150 °C

Colors

Transparent, white, grey, black or brown.

Practical Information

Estimated consumption: Number of linear meters per 310 ml cartridge and 600 ml foil. These values are approximate and serve as a rough guide for right-angled joints. Joint depth is measured to the rear of the profile.

METERS PER 310 ML CARTRIDGE								
Joint depth in mm	Joint width in mm	5	7	10	12	15	20	25
5		8,5	7,4	5				
7			6	4,4	3,7			
10				3	2,5	2	1,5	
12					2	1,7	1,3	1
15						1,4	1	0,8

METERS PER 600 ML ALUMINIUM FOIL								
Joint depth in mm	Joint width in mm	5	7	10	12	15	20	25
5		17	14,3	10				
7			12	8,5	7			
10				6	5	4	3	
12					4	3	2,5	2,0
15						2,7	2,0	1,6

Safety and Health Precautions

Apply the usual hygienic measures. For detailed information refer to Material Safety Data Sheet available at PROFIL CHEMICALS upon request. Keep out of the reach of children. Avoid contact with skin and eyes. Use only in well ventilated areas.

Disposal considerations: Product remains and empty cartridges must be disposed of in compliance with official, local regulations.

User takes under his responsibility any loss or damage resulting from application of primers other than those recommended by PROFIL-CHEMICALS. The information herein results from objective testing and our experience it is deemed to be accurate and reliable but is given for your guidance only, without any commitment on our part. Since the method of application and site conditions are beyond our control and affect performance, we shall not be liable for any loss or damage. Prior tests should be made by the user under his own operational conditions.