WTF® I INVISIBLE FLEX
ADHESIVE SEALANT

WORLD'S TOUGHEST FIX

EN

1 / 4

TECHNICAL DATASHEET

TDS

Updated: 20.10.2025



WTF® I INVISIBLE FLEX	
Package size	310 ml
Color	transparent
Description	Permanently elastic WTF® Hybrid Polymer Flex Technology-based 1-component easily workable and easy to use adhesive and sealant, with very strong final strength.
TECHNICAL INFORMATION	
Base	SMP (silane-modified polymer), adhesive-sealant that dries due to moisture
Composition	Pasty
Density	1,08 g/ml
Elongation at break	Approx. 250 %
Hardness	40 Shore A
Tensile strength	(DIN 53504) Approx. 2,8 N/mm²
100 % modulus	(DIN 53504) Approx. 1,2 N/mm²
Processing time	(+23 °C / 50 % RH) Max. 5 min
Volume change	(DIN ISO 10563) ≤ 4 %
Drying	ca. 2 mm/day (+23°C / 50 % RH), after 48h ca. 3 mm/day
Operating temperature	+5°C....+40°C
Temperature resistance	After drying -40°C....+80°C
Cleaning	When uncured; with alcohol or isopropanol and after drying mechanically or with a silicone remover or similar.
Suitable	For indoor and outdoor use*
Shelf-life	12 months

CE

EMISSION CLASS FOR BUILDING MATERIAL RTS M1

GEV-EMICODE EC 1 PLUS very low emission

INDOOR AIR COMFORT eurofins GOLD CERTIFIED PRODUCT

ISEGA PRODUCT SAFETY WITH LETTER AND SEAL

LISTED IN THE DATABASE FOR BUILDING PRODUCTS THAT CAN BE USED IN **NORDIC SWAN** ECOLABELLED BUILDINGS.

NOTICE

Not suitable for glazing or on balcony glass. May become cloudy under UV light. *Not recommended for outdoor use except as an adhesive (not for a joint exposed to UV light).

Continues on the next page...

RAKENNUSKEMIA

+358 - 19 - 457 4400
Kerkkolankatu 17 05800
HYVINKÄÄ, FINLAND
info@rakennuskemia.com
www.rakennuskemia.com

COPYRIGHT NOTICE
Copyright © 2020,2021 Rakennuskemia Oy. All rights reserved. All materials contained in this document or in the attachments to this document are protected by copyright law and may not be reproduced, distributed, transmitted, displayed, published, broadcast or changed for any purpose whatsoever without the prior written permission of Rakennuskemia Oy, or in the case of third party materials, the owner of that content. You may not alter or remove any trademark, copyright or other notice from copies of the content.

Updated: 20.10.2025

TECHNICAL INFORMATION	
Storage	Store protected from frost at +10 °C to +25 °C. A tight foil pouch extends shelf life.

BENEFITS

- Colorless
- Easy to use and finish
- Very good bonding for all typical building materials
- Also adheres to wet surfaces and under water
- High final strength and good mechanical resistance
- Adjustable during bonding
- Free of phthalates, solvents, isocyanates and silicones
- Suitable for almost all materials *
- Odorless
- Sandable
- Can be overpainted with almost all paints (see “PAINT COMPATIBILITY”)
- Good sealing properties for indoor use

APPLICATIONS

Suitable for almost all building materials. Also suitable for sealing indoors, but for the best result in sealing use WTF® Y Yes! Flex, WTF® P Perfect Silicone or WTF® S Serious Flex, depending on the application purpose.

Widely usable with building materials such as wood, sheet metal, metal, concrete, cement and stone surfaces, as well as various board materials such as gypsum board, plywood, fibreboard, various wooden boards, wet room boards, acoustic boards, furniture boards, MDF, OBS, etc.

Flexible adhesive for metals, eg. for the construction of equipment and machinery, plastics, air conditioning and ventilation systems, the vehicle bodywork and container industries. To situations where the colored product is not an ideal option.

For movement joints indoors. Not suitable for glazing or on balcony glass. May become cloudy under UV light. Not recommended for outdoor use except as an adhesive (joint cannot be exposed to UV light). Avoid contact with adhesives and sealants from other manufacturers.

Suitable metal surfaces: powder coated, lacquered, galvanized, anodised, galvanized, chromed or hot-dip galvanized surface. Suitable for wood, most plastics, stone, concrete. First, test the product to easily cracking materials and to plastics.

* **Not suitable for:** PP, PE, PTFE (Teflon), bitumen, mirrors, natural stone.

Continues on the next page...

RAKENNUSKEMIA

+358 - 19 - 457 4400 Kerkkolankatu 17 05800 HYVINKÄÄ, FINLAND info@rakennuskemia.com www.rakennuskemia.com

COPYRIGHT NOTICE
Copyright © 2020,2021 Rakennuskemia Oy. All rights reserved. All materials contained in this document or in the attachments to this document are protected by copyright law and may not be reproduced, distributed, transmitted, displayed, published, broadcast or changed for any purpose whatsoever without the prior written permission of Rakennuskemia Oy, or in the case of third party materials, the owner of that content. You may not alter or remove any trademark, copyright or other notice from copies of the content.

WTF® I INVISIBLE FLEX
ADHESIVE SEALANT

Updated: 20.10.2025

WORK SURFACE PREPARATION
For best results, surfaces should be clean, structurally sound, and free of grease and dust. Clean surfaces with alcohol, isopropanol or acetone, plastic surfaces with detergent solution. If the adhesive connects with other building materials such as coatings, first test for compatibility.

USE
- Check the best before date of the package (printed on the top of the cartridge, black on black)
- Cut the cartridge head open and attach it to the threads. Cut the head of the nozzle to an angle and suitable for the joint. The easiest way to do this is with WTF® Cartridge Opener, with a cutter or knife. Dispense the product with a cartridge gun. If used as a sealant, avoid air bubbles and finalise the surface with a soap solution and finger or with a joint tool within the given processing time. The separately sold V-shaped adhesive nozzle is developed especially for gluing.
- Depending on the bonding surface, the expansion of the material and the mechanical stress of the adhesive layer the recommended thickness is 1-5 mm. Can be used with automatic dosing devices.
- Avoid thin layers for outdoor use.
- **When gluing:** Apply as stripes or dots using a cartridge gun. Always apply a glue dots to the edges of the materials you want to connect and on the corners in panels.
- **Cleaning:** As uncured with alcohol or isopropanol. As dry only mechanically or you may try to use a silicone remover or similiar to make it a little easier.
- On vapor penetrating surfaces the product can be applied on larger areas with a notched spatula.
- Gluing / sealing/ bonding of the parts must be done within the processing time (max. 5 min).

PAINT COMPATIBILITY
Can be overpainted with the most common (waterborne) paints. Due to differences in varnishes and paints on the market, compatibility should always be tested. Use of paints based on alkyd resins can slow down the drying of the adhesive - for the best results, paint after curing. Completely dry adhesive can be exposed to higher temperatures for a short time e.g. in powder coatings.

RESISTANCE TO CHEMICALS
- **Good**
  against water, aliphatic solvents, oils, grease, diluted inorganic acids and bases.
- **Reasonable**
  against esters, ketones and aromatics.
- **Not resistant to**
  concentrated acids and chlorinated hydrocarbons.

IDEAL
- For invisible sealing and bonding
- Workabilty and final strength

SUITABLE
- For bonding
- For indoor sealing

Continues on the next page...

RAKENNUSKEMIA
+358 - 19 - 457 4400 Kerkkolankatu 17 05800 HYVINKÄÄ, FINLAND info@rakennuskemia.com www.rakennuskemia.com

COPYRIGHT NOTICE
Copyright © 2020,2021 Rakennuskemia Oy. All rights reserved. All materials contained in this document or in the attachments to this document are protected by copyright law and may not be reproduced, distributed, transmitted, displayed, published, broadcast or changed for any purpose whatsoever without the prior written permission of Rakennuskemia Oy, or in the case of third party materials, the owner of that content. You may not alter or remove any trademark, copyright or other notice from copies of the content.

WTF® I INVISIBLE FLEX
ADHESIVE SEALANT

Updated: 20.10.2025

LIMITATIONS

- Not suitable for glazing or outdoor sealing (UV)
- Not suitable for mirrors or natural stone
- Not suitable for swimming pools or aquariums
- Not recommended for wet room areas

CERTIFICATIONS & NOTES

0% Phthalates Solvents

LISTED IN THE DATABASE FOR BUILDING PRODUCTS THAT CAN BE USED IN **NORDIC SWAN** ECOLABELLED BUILDINGS.

ÉMISSIONS DANS L'AIR INTÉRIEUR A+ (A+ A B C)

RTS · EMISSION CLASS FOR BUILDING MATERIAL · M1

GEV-EMICODE EC1 PLUS very low emission

INDOOR AIR COMFORT eurofins GOLD CERTIFIED PRODUCT

PRODUCT SAFETY ISEGA WITH LETTER AND REG.

Suitable for use in a food processing facility (ISEGA)

DECLARATION OF PERFORMANCE (SEALING)

EN 15651-1: F-INT

CE

For more information, see the safety data sheet

RAKENNUSKEMIA
+358 - 19 - 457 4400
Kerkkolankatu 17 05800
HYVINKÄÄ, FINLAND
info@rakennuskemia.com
www.rakennuskemia.com

COPYRIGHT NOTICE
Copyright © 2020,2021 Rakennuskemia Oy. All rights reserved. All materials contained in this document or in the attachments to this document are protected by copyright law and may not be reproduced, distributed, transmitted, displayed, published, broadcast or changed for any purpose whatsoever without the prior written permission of Rakennuskemia Oy, or in the case of third party materials, the owner of that content. You may not alter or remove any trademark, copyright or other notice from copies of the content.