WTF® S SERIOUS FLEX
SEALANT

WORLD'S TOUGHEST FIX

EN

1 / 4

TECHNICAL DATASHEET

TDS

Updated: 20.10.2025

WTF® S SERIOUS FLEX	
Package sizes	310 ml, 600 ml
Color	white (310ml, 600ml), concrete grey (600ml)
Description	Permanently elastic WTF® Hybrid Polymer Flex Technology-based 1-component sealant. Very high elasticity, sound-insulating properties, adapts to movement.
TECHNICAL INFORMATION	
Base	SMP (silane-modified polymer), 1-component sealant, dries due to moisture
Composition	Pasty
Max. joint movement	25 %
Density	1,53 g/ml
Elongation at break	Approx. 500 %
Hardness	24 Shore A
Tensile strength (DIN 53504)	Approx. 0,7 N/mm²
100% modulus (DIN 53504)	Approx. 0,5 N/mm²
Elastic recovery with 100% tension (DIN 7389)	≥ 70 %
Processing time	(+23 °C / 50% RH) Max. 30 min
Volume change (DIN ISO 10563)	≤ 3 %
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....+90°C
Cleaning	When uncured; with alcohol or isopropanol and after mechanical drying, with a silicone remover or mechanically.
Suitable	For indoor and outdoor use

CE

EMISSION CLASS FOR BUILDING MATERIALS M1

GEV-EMICODE EC 1 PLUS very low emission

INDOOR AIR COMFORT eurofins GOLD CERTIFIED PRODUCT

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

Continues on the next page...

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TECHNICAL INFORMATION	
Shelf-life	18 months
Storage	Store protected from frost at +10 °C to +25 °C. A tight foil pouch extends shelf life.

BENEFITS

- Easy to apply
- Very elastic
- Adapts to the movement of the structure
- Good mechanical resistance in relation to the elasticity
- Adheres extremely well to almost any material
- Long processing time
- Free of phthalates, solvents, isocyanates and silicones
- Odorless
- Sandable
- Can be overpainted with almost all paints (see "PAINT COMPATIBILITY")
- Suitable for almost all materials *
- Does not corrode surfaces
- Vibration resistant
- Sound reducing properties

APPLICATIONS

Suitable for movement and facade joints, concrete, brick, masonry, wood, ceramics and for many plastics - for almost all building materials.

Suitable metal surfaces: powder-coated, lacquered, galvanized, anodised, chrome-plated or hot-dip galvanized. First, test the product for easily crackable materials and plastics.

Direct contact with different insulation board materials and bitumen surfaces must be tested first. Avoid contact with adhesives and sealants from other manufacturers.

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

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. If necessary, find out the type of the previous adhesive or sealant.

Compatibility with coatings contacting the product should be tested in advance.

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ELEMENT SEALING

For joints/seams subjected to movement, the width of the seam shall be between 10 mm and 35 mm. In exceptional cases, however, it is possible to use the sealant for wider joints as well – please contact us if necessary.

Width-depth ratio for sealant:
Joint width <9 mm: joint depth = joint width
Joint width 10 mm - 20 mm: joint depth = 2/3 of the joint width
Joint width> 20 mm: joint depth = 1/2 of the joint width

Yield: W 10mm x D 10mm approx. 6 m / W 30mm x D 15 mm approx. 1,3 m of joint with one 600ml foil.

The sealant should only adhere to 2 surfaces. To avoid adherance to the third surface use backing material.

Background material:
Use a closed-cell round strip made of cellular rubber or cellular plastic that the sealant does not stick to (PE or PP material). The backing must not emit dyes and it must not absorb water. If there is no space to install the backing material, it is possible to prevent the third surface from sticking by using Teflon tape, for example, if permitted at the construction site.

For more information, see: RT 82-10980 Joints for element facades made of rock material.

USE

- Check the best before date of the package (printed on the top of the cartridge, black on black).
- Cut the cartridges top open and attach the nozzle. Cut the head of the nozzle to an angle and suitable for the joint. The easiest way to do this is with a WTF® Cartridge Opener, cutter or a knife.
- With the 600ml foil package, cut other end open and place foil into foil gun.
- Dispense the product to a joint with a cartridge or foil gun, avoid air bubbles and finalise the surface with a soap solution and finger or with a joint tool within the given processing time.
- **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.
- Sealing must be carried out during application time (30min).

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. In addition, it should be noted that when using a hard-drying paint on top of an elastic sealant, it is typical that the paint cracks. If the sealant is applied to a painted or plastered substrate, the drying time of the paint must be sufficient.

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RESISTANCE TO CHEMICALS

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

IDEAL

- In large joints subjected to movement, like facades
- When the best elasticity and soundproofing properties are needed

USABLE

- In element sealing, stairways, hallways
- In other sealings that require high performance and a low modulus sealant

LIMITATIONS

- Not suitable to natural stone or mirrors
- Not suitable for bath rooms, swimming pools, aquariums or in glazing
- Not great as an adhesive

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 EC 1 PLUS very low emission

INDOOR AIR COMFORT eurofins GOLD CERTIFIED PRODUCT

DECLARATION OF PERFORMANCE (SEALING)

EN 15651-1: F-INT-EXT-CC 25LM

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For more information, see the safety data sheet

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