WTF® O OFFENSIVE FLEX®

POWER ADHESIVE & SEALANT

EN

1 / 4

TECHNICAL DATASHEET

TDS

Updated: 17.10.2025



WTF® O OFFENSIVE FLEX®	
Package size	290 ml
Color	white
Description	Fast and permanently elastic WTF® Hybrid Polymer Flex Technology-based 1-component adhesive sealant. Versatile power adhesive with fast final strength build-up and high initial tack.
TECHNICAL INFORMATION	
Base	SMP (silane-modified polymer), adhesive-sealant that dries due to moisture
Composition	Pasty
Density	1,49 g/ml
Elongation at break	Approx. 225 %
Hardness	52 Shore A
Tensile strength	(DIN 53504) approx. 2,9 N/mm²
100 % modulus	(DIN 53504) approx. 1,8 N/mm²
Processing time	(+23 °C / 50 % RH) Max. 5 min
Volume change	(DIN ISO 10563) ≤ 4 %
Drying	ca. 2.5 mm/day (+23°C / 50 % RH), after 48h ca. 3.5mm/day
Operating temperature	+5°C....+40°C
Temperature resistance	After drying -40°C....+90°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	15 months
Storage	Store protected from frost at +10 °C to +25 °C. A tight foil pouch extends shelf life.

CE

EMISSION CLASS FOR BUILDING MATERIAL - RTS - 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...

RAKENNUSKEMIA

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BENEFITS

- Hardens even at low temperatures
- High initial tack
- Reaches high final strength quickly
- Very good adhesion for all typical building materials
- Also adheres to wet surfaces - even under water
- Free of phthalates, solvents, isocyanates and silicones
- Easy to use, despite being fast is has enough adjustment time
- Permanently elastic at -40 °C… +90 °C degrees
- Good sealing properties and mechanical and chemical resistance
- Suitable for almost all materials including natural stones *
- Odorless
- Sandable
- Can be overpainted with almost all paints (see “PAINT COMPATIBILITY”)
- Short-term resistance to +200 °C degrees
- Does not corrode surfaces
- Thanks to its composition, it withstands vibration and absorbs shocks
- High mechanical durability

APPLICATIONS

Flexible, fast-drying and high tack adhesive and sealant for almost any building materials, also suitable for sealing.

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

Excellent features also in industrial assembly, with plastics, air conditioning and ventilation systems, the bodywork and container industries. Thanks to the curing speed it is possible to attach parts in a continuous production process. Allows you to combine parts in production without thermal or chemical pre-treatment. Product has also filling properties.

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

Also for mounting mirrors and materials with glass backing. Avoid contact with adhesives from other manufacturers and sealants.

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

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.

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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.
- **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.
- Gluing / bonding 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 sealant - 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 strong bonding and sealing that require speed and high initial tack
- For versatile assembly use

SUITABLE
- For bonding mirrors
- For natural stone and for sanitary use (XS3)

LIMITATIONS
- Better adhesive than sealant
- Due to fast initial tack and strength build-up, the joint must be finished quicky
- Not suitable for swimming pools, aquariums or glazing

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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)

EMISSION CLASS FOR BUILDING MATERIAL RTS 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 12,5E
EN 15651-3: S XS3
EN 15651-4: PW-INT-EXT-CC 12,5E

CE

For more information, see the safety data sheet

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