WTF® E EXPRESS FLEX
ADHESIVE SEALANT

EN

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TECHNICAL DATASHEET

TDS

Updated: 17.10.2025



WTF® E EXPRESS FLEX	
Package size	290 ml
Color	white
Description	Fast and permanently elastic WTF® Hybrid Polymer Flex Technology-based 1-component very strong and fast curing adhesive sealant.
TECHNICAL INFORMATION	
Base	SMP (silane-modified polymer), adhesive-sealant that dries due to moisture
Composition	Pasty
Density	1,40 g/ml
Elongation at break	Approx. 200 %
Hardness	50 Shore A
Tensile strength	(DIN 53504) Approx. 3,4 N/mm²
100 % modulus	(DIN 53504) Approx. 2,2 N/mm²
Processing time	(+ 23 °C / 50 % RH) Max. 8 min
Volume change (DIN ISO 10563)	≤ 7 %
Drying	ca. 3.5 mm/day (+23°C / 50 % RH), after 48h ca. 4.5mm/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

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

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BENEFITS

- Very fast curing
- Reaches very high final strength quickly
- Cures even at low temperatures
- Very good adhesion for all typical building materials
- Also adheres to wet surfaces - even under water
- Very high final strength
- Long processing time compared to the curing speed
- Free of phthalates, solvents, isocyanates and silicones
- Easy to use, despite being fast it has enough adjustment time
- Permanently elastic at -40 ° C... + 90 ° C
- Good sealing properties and mechanical and chemical resistance
- Suitable for almost all materials*
- Odorless
- Can be overpainted with almost all paints (see "PAINT COMPATIBILITY")
- Short-term resistance up to + 200 °C
- Does not corrode surfaces
- Thanks to its composition, it withstands vibration and absorbs shocks
- High mechanical durability

APPLICATIONS

Flexible, fast-drying adhesive 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, fibreboard, 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. Suitable for gluing natural stone (**note:** minimum stone thickness 10 mm). Not suitable for sealing natural stone - otherwise it may cause discoloration.

First test the product for easy cracking materials and for 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

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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.
- **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. 8 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

- When a fast drying, easy to use and very powerful adhesive sealant is needed
- When joint needs a high mechanicaland chemical durability

SUITABLE

- For versatile use in various of adhesion and sealing purposes
- For sanitary use (XS3) and for gluing natural stone (**note:** minimum stone thickness 10 mm).

LIMITATIONS

- Relatively low initial tack
- Performs better in adhesive use than in sealant use

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- Not suitable for swimming pools, aquariums or glazing
- Not suitable for sealing natural stone

CERTIFICATIONS & NOTES

0% Phthalates Solvents

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

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

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