WTF® U UNIVERSAL FLEX

ADHESIVE AND SEALING COMPOUND

WORLD'S TOUGHEST FIX

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TECHNICAL DATASHEET

TDS

Updated: 20.10.2025



WTF® U UNIVERSAL FLEX	
Package size	600 ml
Color	white
Description	Versatile, permanently elastic WTF® Hybrid Polymer Flex Technology-based 1-component adhesive sealant. For indoor and outdoor use. Suitable for facades, bathrooms and for other typical construction jobs.
TECHNICAL INFORMATION	
Base	SMP (silane-modified polymer). Adhesive-sealant that dries due to moisture.
Composition	Pasty
Max. joint movement	max. 20 %
Density	1,54 g/ml
Elongation at break	Approx. 300 %
Hardness	40 Shore A
Tensile strength (DIN 53504)	Approx. 2,1 N/mm²
100 % modulus (DIN 53504)	Approx. 1,2 N/mm²
Processing time	(+23°C / 50 % RH) Max. 30min
Volume change (DIN ISO 10563)	≤ 3 %
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.
Shelf-life	18 months
Storage	Store protected from frost at +10°C to +25°C.

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BENEFITS
- Easy to apply
- Good flexibility
- Strong final strength
- Good mechanical strength and chemical resistance
- Also adheres to wet surfaces - even under water
- Adheres extremely well to almost any material
- Long processing time
- Free of solvents, isocyanates and silicones
- Odorless
- Sandable
- Can be overpainted with almost all paints (see “PAINT COMPATIBILITY”)
- Suitable for almost all materials *
- Absorbs shocks
- Does not corrode surfaces

APPLICATIONS
Flexible, fast-drying adhesive-sealant for almost any building material, also suitable for sealing. Suitable for movement and facade joints, concrete, masonry, wood, metals and several plastics.

Avoid contact with other manufacturers adhesives and sealants. Suitable metal surfaces: powder coated, lacquered, anodised, galvanized, chromed or hot-dip galvanized surface.

First test the product for easy cracking materials and for plastics. Avoid contact with adhesives and sealants from other manufacturers.

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

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 foil package’s other end open and attach it to foil gun.
- Dispense the product to a joint with a 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.
- **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 must be carried out during application time (max. 30 min)

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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 durable**
  against concentrated acids and chlorinated hydrocarbons.

IDEAL
- In versatile bonding and sealing jobs
- In facade and bathroom sealings

ALSO APPLICABLE
- For all typical bonding where high initial tack is not necessary
- For all general sealing jobs

LIMITATIONS
- Low initial tack
- Not for natural stone or mirrors
- Not suitable for swimming pools, aquariums or glazing

CERTIFICATIONS & NOTES

DECLARATION OF PERFORMANCE (SEALING)

EN 15651-1: F-INT-EXT-CC 20HM
EN 15651-3: S XS1
EN 15651-4: PW-INT-EXT-CC 20HM

CE

For more information, see the safety data sheet

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