

WTF[®]

WORLD'S TOUGHEST FIX

WTF[®] YES! FLEX[®]
ADHESIVE SEALANT

Updated: 09.12.2022

**WTF[®] Y YES! FLEX[®]**

Package size	310ml
Colors	White, Beige Black RR33 Brown RR32 Red RR29 Dark grey RR23 Light grey RR21
Description	Extremely versatile WTF [®] Hybrid Polymer Flex Technology-based 1-component adhesive sealant, a true one-for-all fix.

TECHNICAL INFORMATION

Base	SMP (silane-modified polymer), adhesive-sealant that dries due to moisture.
Composition	Pasty
Max. joint movement	20 %
Density	1,48 g/ml
Elongation at break	Approx. 600 %
Hardness	32 Shore A
Tensile strength (DIN 53504)	Approx. 1,6 N/mm ²
100% modulus (DIN 53504)	Approx. 0,6 N/mm ²
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.
Suitable	For indoor and outdoor use

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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
- Excellent flexibility
- Good mechanical strength
- Long working time, easy to finish
- Very high resistance to mold and fungal growth (highest XS1 rating)
- Certified for ventilation work (VDI 6022)
- Bonding, sealing and glazing - all with one product
- Free of phthalates, solvents, isocyanates and silicones
- Odorless
- Good mechanical strength and chemical resistance
- Extremely high UV resistance
- Does not corrode surfaces
- Suitable for almost all materials - including natural stone *
- Adheres extremely well to almost all materials
- Adheres to wet surfaces - also under water
- Good adhesion to typically difficult porous surfaces even without a primer
- Can be sanded
- Can be overpainted with almost all paints (see "PAINT COMPATIBILITY")
- Excellent technical properties even for roofs, movement joints or boat use

APPLICATIONS

Extremely versatile adhesive sealant suitable for all types of sealing and bonding jobs especially in construction industry. Ideal e.g. for bathroom, roof and air duct use. Suitable also for movement and facade joints, for concrete, masonry, wood, metals and for several plastics. Suitable for natural stone (no discolouration) and wooden floors such as parquet. Windows, doors, etc. joints and glazing. Thanks to the high UV and mold resistance, Yes! Flex also suitable for boat use. Also for mounting mirrors and materials with glass backing. Avoid contact with adhesives and sealants from other manufacturers.

Suitable metal surfaces: powder-coated, lacquered, galvanized, anodised, chrome-plated or hot-dip galvanized.

First, test the product for easily crackable materials and for plastics. Suitable for wood, most plastics, stone, concrete, etc.

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

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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

- 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 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. 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**
against concentrated acids and chlorinated hydrocarbons.

IDEAL

- In versatile use as an adhesive and sealant
- Glazing and ventilation work
- Against mold and fungi in sealing (XS1)
- For boats, roofs or other demanding situations where there is UV exposure
- When the best finishing properties when sealing is important

SUITABLE

- For natural stones and most mirrors

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- For large joints that are exposed to movement, like facades
- When a flexible adhesive is needed

LIMITATIONS

- Better sealant than an adhesive
- Low(ish) initial tack
- Not suitable for swimming pools or aquariums

CERTIFICATIONS & NOTES



Tested against mold and fungi in accordance with EN ISO 846 A + C. VDI 6022 certified.

Suitable for use in a food processing facility (ISEGA).

DECLARATION OF PERFORMANCE (SEALING)

EN 15651-1: F-INT-EXT-CC 20HM
 EN 15651-2: G-CC 20HM
 EN 15651-3: S XS1
 EN 15651-4: PW-INT-EXT-CC 20HM



For more information, see the safety data sheet

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