



RUBSON

FT 101 PRO

Technical Data Sheet v.3, April 2026

High modulus weathering resistant sealant & adhesive

CHARACTERISTICS

All purpose, one-part, elastic joint sealant and multipurpose adhesives for indoor and outdoor applications based on Flextec®-Technology.

- **Clean application:** No stringing during use
- **Good elasticity:** Movement capability of 20% (white and colored versions) to 25% (transparent version)
- **Excellent adhesion:** Bonds to a wide range of construction materials without primer, and even sensitive substrates such as mirrors, PVC, polycarbonates...
- **Tack-free finish:** Tack-free surface after curing
- **Moisture-tolerant:** Can be applied to damp substrates without bubbling or adhesion loss (unlike PU sealants)
- **Durable:** Resistant to UV exposure (sunlight), weathering and aging
- **Silicone-free:** Suitable for environments where silicone cannot be used
- **Isocyanate-free:** No hazardous isocyanates
- **Solvent-free:** No release of solvents to the environment
- **Non-corrosive:** Safe for use with sensitive materials
- **Good gunnability:** Maintains good gunnability even at low temperatures
- **Minimal shrinkage:** Nearly no shrinkage during curing
- **Paintable:** Compatible with most paints; can be painted over after curing
- **Impact and vibration absorbing:** Suitable for dynamically stressed applications

STANDARDS

	FT 101 White & Colors	FT 101 Transparent
EN ISO 11600	Class F-25HM, sealant for building construction	Class F-20HM, sealant for building construction
EN 15651-1 (CE marking)	Class 25HM, product type F-EXT-INT: sealant for facade for interior and exterior application	Class 20HM, product type F-EXT-INT: sealant for facade for interior and exterior application class
EN 15651-4 (CE marking)	Product type PW-EXT-INT: sealant for movement joints in floors for interior and exterior application	Not concerned
ISO 16938-1 and -2	Suitable for natural stone, no staining	Not concerned
GEV EMI CODE®	EC 1 ^{plus} (very low emissions)	EC 1 ^{plus} (very low emissions)
VOC emission class (France)	A+	A+

APPLICATION FIELD

RUBSON FT 101 bonds well on a wide variety of substrates and is recommended for use in elastic sealing and bonding application. RUBSON FT 101 Transparent is particularly ideal where transparency and cleanliness are critical. Recommended uses include:

- movement joints in facades
- connection joints, e.g. joints between wood/aluminium/PVC-window or door frames and brickwork, for stairs, balconies, terraces, natural stones (e.g. marble, granite...), soundproofing of pipes between concrete and sheathing and many more
- installing (bonding and sealing) of windowsills, skirting boards, covering boards, stair steps, tiles, fittings etc. bonding of baseboards, crash protection boards, stucco, metals, wood, stoneware, prefabricated elements and many more
- transparent sealing where clean & invisible joints are needed (wall/floor joints, furniture glass bonding)
- filling/sealing of cracks indoors and outdoors
- joints and seam seals in metallic and wooden construction
- joints in ventilation & air-conditioning ductwork
- bonding on all surfaces, indoors and outdoors, including damp substrates



INSTRUCTION FOR USE

Application

RUBSON FT 101 is supplied ready to use and can be applied from the cartridge using a standard air or hand operated gun, with no special pre-treatment.

Sealing application

The joint width must be designed to suit the movement capability of the sealant. In general the joint width must be > 10 mm and < 35 mm. A ratio of ~ 1: 0.5 must be maintained. For renovation works, remove the old sealant completely, clean joint sides thoroughly and restore damaged substrates before application. Follow DTU 44.1 recommendations for preparations. After joint and substrate preparation, insert backing rod (closed cell, PE-foam backing rods) to required depth and apply primer if necessary. Insert cartridge into sealant gun and firmly extrude RUBSON FT 101 into joint making sure that it is in full contact with the side of the joint. Fill the joint, avoiding air entrapment. RUBSON FT 101 must be tooled firmly against joint sides to ensure good adhesion. Masking tape must be used where sharp exact joint lines or exceptionally neat lines are required. Remove the tape whilst the sealant has still not formed a skin. After application, the product can be smoothed with soapy water before skinning for a perfect sealant surface.

Bonding application

After substrate preparation apply RUBSON FT 101 in strips or spots on the bonding surface at intervals of a few centimeters. Use hand pressure to set the element to be bonded into position. If necessary, use adhesive tape, wedges, or props to hold the assembled elements together for the initial hours of curing. An incorrectly positioned element can be easily unfastened and repositioned in the first few minutes after application. Apply pressure again. Optimum bonding will be obtained after complete curing of RUBSON FT 101, i.e. after 24 - 48 hours at 23°C for a thickness between 2 - 3 mm. For bonding heavy objects or vertical/overhead applications, temporary support is required until full curing.

LIMITATIONS

Elastic sealants may only be painted over if the coating is able to follow the movements of the sealant (in general if joint movements are < 5 %, depending on the coating) – otherwise cracks in the surface of the coating can occur.

In case of high movement joints coatings may cover the joint sides to max. 1 mm.

Due to the large number of coatings, it is recommended to test the compatibility of a coating product before use, especially in case of alkyd resin paints. When painted over RUBSON FT 101, alkyd resin paints may dry slowly and show surface tackiness and/or discoloration.

In case of powder coated substrates (e.g. powder coated aluminium window frames) an adhesion test is recommended before use.

Cleaning tools

Clean tools and application equipment with white spirit immediately after use. Cured material can only be removed mechanically (e.g. with knife).

Do not use RUBSON FT 101 as a glazing sealant.

Do not use on bituminous substrates or on building materials which might bleed oils, plasticizers or solvents which could attack the sealant.

Not suitable for joints with water pressure or permanent water immersion, e.g. in swimming pools.

Do not use RUBSON FT 101 to seal bathtubs or washbasins.

Color deviations may occur e.g. due to exposure to chemicals or high temperatures. However, a change in color does usually not affect adversely the technical performance or the durability.

Product may only be used for mirror bonding if the mirror coating and the protective lacquer complies with EN 1036-1. In case of unknown mirror qualities please ask mirror producer for an approval.

LIMITATIONS

- Elastic sealants may only be overpainted if the coating is able to follow the movements of the sealant (generally if joint movements are < 5%, depending on the coating); otherwise, cracks may occur in the coating surface.
- For joints subject to high movement, any coating should overlap the sealant on the joint sides by a maximum of 1 mm.
- Due to the large number of coatings available on the market, compatibility tests with the paint or coating are recommended prior to application, especially in the case of alkyd resin paints.
- When painted over RUBSON FT 101, alkyd resin paints may dry slowly and show surface tackiness and/or discoloration.
- For powder-coated substrates (e.g. powder-coated aluminium window frames), a preliminary adhesion test is recommended before use.
- Do not use RUBSON FT 101 as a glazing sealant.
- Do not use on bituminous substrates or on building materials which might bleed oils, plasticizers or solvents which could attack the sealant.
- Not suitable for joints subject to water pressure or permanent water immersion (e.g. swimming pools).
- Do not use RUBSON FT 101 to seal bathtubs or washbasins.
- Colour deviations may occur, for example due to exposure to chemicals or high temperatures; however, such changes do not usually adversely affect the technical performance or durability.
- The product may only be used for mirror bonding if the mirror coating and the protective lacquer comply with EN1036-1; for unknown mirror qualities, approval should be obtained from the mirror manufacturer.

RUBSON FT 101 Transparent ONLY

- Not recommended for use on copper and brass.
- Not suitable for natural stones (e.g. marble).

Cleaning tools

Clean all tools and application equipment immediately after use with white spirit. Once cured, the product can only be removed mechanically (e.g. using a knife or scraper).



TECHNICAL DATA

Uncured	FT 101 White & Colors	FT 101 Transparent
Base	Flextec®-Polymer (moisture curing silane modified polymer (SMP))	Flextec®-Polymer (Moisture curing silane modified polymer (SMP) - cures by reaction with atmospheric humidity.)
Odour	Alcohol	Alcohol
Application temperature (substrate and ambient), °C	5 - 40	5 - 40
Consistency	Non-slump paste	Non-slump paste
Density (ISO 2811-1), g/ml	~ 1.4	~ 1.1
Resistance to flow (ISO 7390), mm	~ 0	~ 0
Skin formation time (23°C, 50% r.h.), minutes	~ 25	~ 20
Curing speed (23°C, 50% r.h., bead 20x10mm), mm/hours	~ 2/24	~ 2/24
Initial tack, g/cm ²	~ 10	~ 10

Cured		
Odour	Odourless	Odourless
Shore A hardness (ISO 868)	~ 30	~ 30
100% Modulus (ISO 8339-A), N/mm ²	~ 0.6	~ 0.6
Tensile strength (ISO 8339-A), N/mm ²	~ 0.9	~ 0.8
Elongation at break (ISO 8339-A), %	~ 250	~ 200
Elongation at break (ISO 8339-B), %	~ 400	
Elastic recovery (ISO 7389-B), %	~ 80	~ 85
Shrinkage (ISO 10563), %	~ -3	~ -3
Movement capability (ISO 11600-F), %	25	20
Recommended joint width, mm	10 - 35	10 - 35
Service temperature, °C	-40 - 80	-40 - 80

GENERAL INFORMATION

Surfaces

The substrates to seal or bond must be clean, free from oils, grease, dust and loose particles and should be dry. Standing water should be removed. Remove residues of old sealant/adhesive. Use acetone, spirit, isopropanol or special cleaners to remove residues of oils or grease.

The product is suitable for many types of construction materials: concrete, brick, tile, ceramics, fibre-concrete, galvanized steel, stainless steel, iron, painted metals, lacquered aluminium, anodized aluminium, wood, melamine, PVC etc. No adhesion to PE, PP, PTFE (Teflon®), PMMA (acrylic glass). In cases of unknown materials or critical applications adhesion tests are recommended or contact our Technical Service.

Storage

12 months from date of production if stored in unopened original cartridges, in dry conditions and protected from direct sunlight at temperatures between 10 - 25°C. (Internal remark: 15 months shelf life possible, if special cartridges are used. Please ask Packaging/IBM/ TS)

Chemical resistance

Resistant to water, seawater, diluted alkalis, diluted acids, cement grout and water diluted detergents. The product is not recommended for applications with permanent contact with chemicals. Poor resistance to aromatic solvents, organic acids, concentrated alkalis and concentrated acids, chlorinated hydrocarbons. In cases of other chemicals contact our Technical Service.



HEALTH AND SAFETY

Before using the product please see related Safety Data Sheet that is available on request at 09 69 32 09 30 or on our website <https://mysds.henkel.com/index.html>.

The information provided in this Technical Data Sheet (TDS) including the recommendations for use and application of the product are based on our knowledge and experience of the product as at the date of this TDS. The product can have a variety of different applications as well as differing application and working conditions in your environment that are beyond our control. Henkel is, therefore, not liable for the suitability of our product for the production processes and conditions in respect of which you use them, as well as the intended applications and results. We strongly recommend that you carry out your own prior trials to confirm such suitability of our product.

Any liability in respect of the information in the Technical Data Sheet or any other written or oral recommendation(s) regarding the concerned product is excluded, except if otherwise explicitly agreed and except in relation to death or personal injury caused by our negligence and any liability under any applicable mandatory product liability law.