

Ceresit

FT101

Technical Datasheet

Version 26.03.2012

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PROPERTIES

- ▶ One part, Hybrid Polymer, high modulus, Sealant and Adhesive
- ▶ Uses superior, innovative FLEXTEC® polymer technology
- ▶ Multi-use: Seals, Fills and Bonds
- ▶ Excellent primerless adhesion on a wide range of building substrates
- ▶ High initial tack
- ▶ Good gunnability, even at low temperature
- ▶ Resistant to UV and sunlight
- ▶ Can be applied to damp / wet surfaces
- ▶ Virtually no shrinkage, solvent free
- ▶ Overpaintable after curing
- ▶ Interior and exterior application

APPLICATIONS

Bonding, fixing and sealing applications, such as:

- Installing window sills, skirting boards, steps, tiles...
- Maintenance work: metal bonding, ventilation and A/C ductwork...
- Joints in construction: between window frames and brickwork; ground joints; pre-fabricated construction units; external balconies and terraces; metallic and wooden construction

PROCESSING

Surface Preparation

All surfaces to be bonded should be clean, stable and free from dust, grease, laitance and oil. Pooled / standing water on absorbent substrates should first be removed. Remove oil and grease using an appropriate cleaner / degreaser and abrade all surfaces, followed by removal of all abrasion and dust residues.



Joint Dimensions

Users must take into account the joint movement in addition to local regulations. For sealing work the recommended maximum gap is 30mm. A joint width:depth ratio of 2:1 is also recommended.

Bonding, Fixing & Sealing

Apply adhesive onto one of the surfaces in spots in order to allow for uneven substrates. Alternatively a 'wave-like' bead application can be used for higher initial grab on wider surface areas, or use straight beads on smaller surface areas. For external use, use straight beads. Remove any excess directly after use with a dry cloth and cleaning solvent or mineral spirit. Do not allow to dry, as once cured, FT101 can only be removed by mechanical means.

Non-porous Substrates:

Where two non-porous materials are to be bonded, apply the adhesive in vertical beads (do not spread across a continuous area) as air contact is required for setting / curing of the product. Bring the surfaces together, adjust as required and press together thoroughly. Make sure the adhesive tracks do not merge.

Note: Heavy items may need temporary support for up to 24 hours.

For sealing work:

Ensure both joint surfaces are clean and free from dust (max. gap 20mm). Use a foam backing rod with a de-bonding tape if required. Apply FT101 into the joint; smooth the bead after application using an appropriate tool, within the open time. For good smoothing results, use diluted water / detergent solution (approx. 5% by volume).

Once cured, FT101 can be painted (including waterbased acrylic coatings).

Product Coverage

Approx. 300gm / m²

Coverage per 310ml cartridge for the following seal dimensions are given below for information purposes only:

- 12 metres of 5 x 5 mm seals
- 5 metres of 8 x 8 mm seals
- 2.5 metres of 15 x 8 mm seals
- 1.5 metres of 20 x 10 mm seals

TEMPERATURES

Application

Application Temperatures: +5°C to +40°C

Service

Service Temperatures: -50°C to +80°C

CHARACTERISTICS

Type :	Flextec® (silane cross-linking polymer)
Specific Gravity (non cured), approx.	1.4 g/cm ³
Flow Resistance (EN 27390), mm, approx:	< 2

Initial tack,	10g / cm ²
Open / working / skin / formation time, min:	15 approx.
Shore A hardness (ISO 868), approx:	40
100% Modulus (ISO 8339-A), approx:	0.80 N/mm ²
Tensile strength (ISO 8339-A), approx:	1.0 N/mm ²
Elongation at break, approx:	250% (ISO 8339-A) 400% (ISO 8339-B)
Elastic recovery (ISO 7389-B), approx:	85%
Final strength (DIN EN 205):	4 - 5 N/mm ²
Shrinkage (ISO 10563), approx:	<3%
Curing speed:	2.5mm / 24 hours
Joint Movement capability,%	25

ARCHITECTURAL SPECIFICATION

Architectural Specification Clause:

The specialist Construction Adhesive / Sealant to be used shall be *Henkel Building Systems - Ceresit FT101*. It shall be used and applied, strictly in accordance with the manufacturer's instructions.

STANDARDS

ISO

ISO 11600-F-25 HM (movement capability 25%)

IMPORTANT ADVICE

Cleaning of the skin

During application, wear skin protection,

Storage

Cool and dry place

Shelf Life

12 Months when stored at temperatures between +5°C and +25°C in original, unopened packaging.

SAFETY

Safety Advice

Consult the Material Safety Data Sheet (MSDS) for Ceresit FT101.
www.ceresit.co.uk

COLOURS

White

PACKAGING

Ceresit FT101 is supplied in 300ml cartridges

SUBSTRATE COMPATIBILITY

Ceresit FT101 is suitable for many types of building substrate, such as concrete, brick, marble, natural stone, tile, ceramics, galvanised steel, fibre-concrete, iron, painted metals, wood, lacquered aluminium, anodised aluminium and melamine.

LIMITATIONS OF USE

Ceresit FT101 is NOT suitable for polyethylene, polypropylene, or PTFE.

In cases of unknown materials or critical applications, adhesion tests are recommended.

Ceresit PL700 must NOT be used for food contact or aquarium construction applications.

DISPOSAL

Product and packaging disposal

Do not pour directly into drains. Retain the product for later use, or if beyond shelf life, dispose of the product in accordance with local regulations. Dispose of the empty packaging in accordance with local regulations (please refer to Safety Data Sheet for more information).

Please note: The information provided herein, especially recommendations for the usage and the application of our products, is based upon our knowledge and experience. Due to different materials used as well as to varying working conditions beyond our control, we strictly recommend to carry out intensive trials to test the suitability of our products with regard to the required processes and applications. We do not accept any liability with regard to the above information or with regard to any verbal recommendation; except for cases we are liable of gross negligence or false intention.

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The Ceresit logo consists of the word "Ceresit" in a bold, white, sans-serif font, centered within a solid black rectangular background.