

Ceresit

FT 101

Product Information (03/2007)

HIGH MODULUS SEALANT & ADHESIVE

One component, ready-to-use siliconised polyurethane elastomer suitable for sealing, filling and bonding in construction applications.

- Bonds to wet surfaces
- UV resistant
- Easy to use even at 5°C
- High initial tack

Description

Ceresit FT 101 is a multi-purpose sealant and adhesive that is suitable for sealing joints, filling movement cracks and bonding almost all materials. Interior and exterior. Serviceable in all weather conditions. Due to its versatility there is virtually no need for any other sealant or adhesive. Based on Flextec® which cures by reaction with moisture at room temperature.

Properties

Professional grade, one part, moisture curing siliconised polyurethane sealant and adhesive. Excellent primerless adhesion to a wide range of surfaces including natural stone. Virtually no shrinkage. Solvent free. Resistant to UV and sunlight – no surface cracking or crazing. Can be applied to damp surfaces without bubbling or loss of adhesion. Good gunnability even at low temperatures. Can be painted after curing. Silicone free and free of hazard isocyanates. Tack free surface.

It is recommended for use in elastic bonding and sealing applications in construction such as

- Installing windowsills, skirting boards, steps, tiles etc.
- Maintenance work: metal bonding, ventilation & air-conditioning ductwork etc
- Joints in building construction, joints between window frames and brickwork, ground joints
- Joints in prefabricated construction units
- Joints on external balconies and terraces
- Joints in metallic and wooden construction

Substrates

The product is suitable for many types of materials, such as concrete, brick, marble, tile, ceramics, fibre-concrete, galvanized steel, iron, painted metals, lacquered aluminium, anodized aluminium, wood, melamine etc. Not suitable for polyethylene, polypropylene, or PTFE. In cases of unknown materials or critical applications adhesion tests are recommended.

Application

The product can be directly applied from the cartridge using a standard air or hand operated gun with no special pre-treatment. The substrates to seal or bond must be clean, dust and grease free. Remove any pooled water prior to application.

Technical Information

Product	Flextec® (siliconised polyurethane) polymer
Colour	White
Odour	Alcohol
Consistency	Paste
Density	1.4 g / ml
Resistance to flow	< 2 mm
Skin formation time	Approx 15 minutes
Curing speed	Approx. 2.5 mm / 24 hours
Initial tack	Approx. 10 g / cm ²
<u>Cured product</u>	
Odour	Odourless
Shore A hardness	Approx. 40
100% Modulus (ISO 8339 – A)	Approx 0.70 N / mm ²
Tensile strength (ISO 8339 – A)	Approx. 1.0 N / mm ²
Elongation at break (ISO 8339 – A)	Approx. 250 %
Elongation at break (ISO 8339 – B)	Approx. 400 %
Elastic recovery (ISO 7389 – B)	Approx. 85%
Shrinkage (ISO 10563)	Approx. 3 %
Service temperature	-30°C to +80°C
Conforms to	ISO 11600 F 25 HM (movement capability 25%)
Temperature for application	+5 to 25°C.
Storage	12 months under normal conditions.
Packaging	300 ml plastic cartridge

Architectural Specification Clause

The primer to be used shall be Ceresit FT 101. It shall be used and applied strictly in accordance with the manufacturer's instructions.

Health & Safety

Where appropriate, wear suitable Personal Protective Equipment (PPE) e.g. gloves, eye protection. For further advice, please read the relevant Ceresit Safety Data Sheets, available upon request. Keep out of reach of children.

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, or where appropriate recycle.

Warning to users

The information contained herein is general and not intended to be specific to any substrate, project or product system. The information is based on our experience to-date and the results of continuous and careful testing. Varying conditions and methods of use will influence the practical application of this product. The products optimum performance is also dependent upon the professional judgment of the user, conformity to proper trade practice, relevant standards and codes of practice for installation, which are factors outside our control. The issue of this Ceresit Product Information Sheet supersedes all previous information relevant to this product.

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ISO Registration

Henkel Loctite Adhesives Ltd is part of Henkel KGaA who are certified by DQS (Certificate Registration number: 003052 QM/UM) as a company operating a Quality Management System to BS EN ISO 9001:2000, and BS EN 14001.

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