

Description

QuickJoint® is a high performance architectural grade, High Joint Movement silicone gap seal. The product is pre-cured to provide ease-of-use and the exact amount of silicone necessary for gap sealing application ensuring close to zero wastage.

QuickJoint® provides a high level of natural mould and bacteria resistance and is approved for use in food contact areas.

Classifications:

- +100% / -50% Joint Movement
- Ultra-Low VOC - 1000ppm (Approx. 1.12 gr/L)

Features

- QuickJoint® is a pre-cured insert silicone gasket for gap sealing of low and high movement expansion joints. It is non-staining and suitable for building and construction work including new façades or remedial applications for panels of virtually any material, including aluminium, stone, wood, steel, masonry, etc.
- The product is designed and manufactured specifically to each project to ensure covering the necessary joint movement range at minimum stress on the adjacent panels and adhesion, and alignment with customers' manufacturing processes
- No backing rod, tooling-off or clean-up necessary
- Eliminates the installation constraints of wet seals, such as high wastage, difficult and messy installation process and dependence on the weather conditions for successful gap sealing
- Providing flexibility on the type of adhesive for reliable primeless adhesion to variety of substrates
- Excellent elongation movement capabilities +100% / -50%
- Excellent resistance to UV & weathering
- Non-slumping (pre-cured)
- Long life reliability
- Excellent ageing stability
- Maintaining the elastomeric properties permanently, even under harsh weathering conditions and temperature extremes
- 10-year product warranty (terms and conditions apply)
- Food-grade (compliant with FDA CFR 21 177.2600)
- Compliant with construction industry water penetration standards (AS/NZS 4284:2008)

Recommended Uses

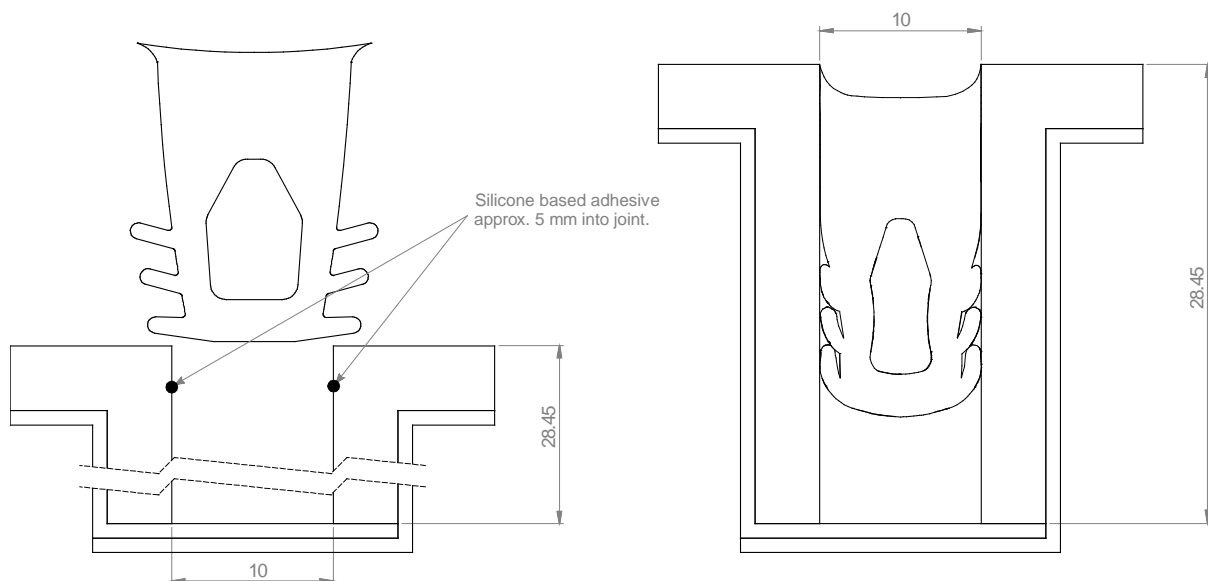
- All types of building façades, restoration and weatherproofing of expansion joints
- Curtain wall joints
- Marble and Granite joints
- Expansion and control joints
- Precast panels
- Concrete panels
- Timber panels
- Weather seal / weatherproofing of coated metal and Aluminium composite panels
- Anodized aluminium
- Expansion joints on pavers

Application Instructions

QuickJoint® is a pre-cured silicone product and whilst it is designed to have a strong grip in expansion joints, it is necessary to adhere it to joints using minimum amount of silicone adhesives.

The best adhesives to bond QuickJoint® are neutral cure silicone-based adhesives. Before installing the silicone gaskets, it is necessary to clean the application substrates with a clean fabric and IPA (isopropyl alcohol).

Insertion of QuickJoint® in a 10 mm cassette joint is illustrated below.



Please [contact Network Building Supplies](#) for more information on installation of QuickJoint® and the installation kit to make the gap sealing of expansion joints even quicker and easier.

Joint Design

QuickJoint® is designed to accommodate the gap size variation of each application. Once the geometry of the gaps is known, Network Building Supplies provides the design that best fits the application requirements.

Compatibility with Adjacent Substrates

QuickJoint® is a 100% pre-cured silicone material which makes it inert to virtually any type of substrate. However it is necessary to use neutral cure silicone adhesives for reliable installation of the products and poor choice of adhesives may cause incompatibility issues such as degradation and discolouration of façade panels. Please [contact Network Building Supplies](#) for advice on use of adhesives for QuickJoint® installation.

Coverage

QuickJoint® is supplied in form of pre-cured extrusions and designed to provide the exact amount of material to seal the gaps and have almost no wastage. That is, the linear meterage covered by QuickJoint® is the same as the length purchased by the customer.

Limitations

QuickJoint® is not suitable for use in the following applications:

- As a structural component that is necessary not only for gap sealing but for the structural integrity under static/dynamic loading
- Aquariums
- With adhesives or chemical agents that may affect or discolour the extrusions or panels
- This product is neither tested nor can be used for medical or pharmaceutical use
- Where painting of the sealant is required
- Permanent or continuous water immersion
- Where joint movement exceeds +100% / -50% of the original joint dimension

QuickJoint® Architectural Grade Silicone Extrusion
Pre-Cured**Product Data**

Characteristic	Description	Test Method
Shore A Hardness	40 ± 5 Duro	DIN 53 505
Specific gravity	1.12 ± 0.02 [g/cm ³]	DIN EN ISO 1183-1 A
Tensile strength	10 MPa	DIN 53 504 S 1
Elongation at Break	610 [%]	DIN 53 504 S 1
Tear resistance	17 [KN/m]	ASTM D 624 B
Rebound resilience	55 [%]	DIN 53 512
Compression set	30 [%]	DIN ISO 815-B (22 h / 175 °C)
Dynamic Movement Capacity	+100% -50%	Project-based
Application Temperature	As per adhesives instructions	NA
Service Temperature Range	-60°C to +150°C	NA
Colour	As per required	NA
Skin Time	NA	NA
Tack Free Time	NA	NA
Tooling Time	NA	NA
Sag or Slump	NA	NA



Storage & Shelf Life

QuickJoint® shelf life is virtually unlimited even at prolonged exposure to weathering conditions. However we recommend keeping the product in a cool and dry place and away from direct sunlight to maintain its appearance in terms of the colour of extrusions.

Health and Safety

The Material Safety Data Sheet (MSDS) is available upon request.

Important Notice

Suggestions for use should not be taken as an inducement to infringe any particular patent. QuickJoint® is a registered trademark of Network Building Supplies.

The information and data contained above are believed to be accurate and reliable. It is the user's responsibility to determine the suitability of use. No warranties can be made concerning the fitness or suitability of the products for a particular use or purpose.