

Effisus EasyBolt

Metal roofing systems commonly rely on numerous self-drilling screws, which represent potential points of water ingress, even when fitted with sealing washers.

Effisus EasyBolt provides a durable and reliable sealing solution for these critical fixing points. Available in multiple colours and requiring no primer, it is quick and easy to install, forming a perfect seal around each screw. EasyBolt delivers long-lasting protection against leakage, with proven resistance to UV exposure and extreme low and high temperatures.



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Technical data

Essential characteristics	Method	Result
Adhesion	-	9 kg/ in width
Application temperature	-	-29°C to 66°C
Dimension	-	100 mm in diameter
Colours	-	White, Gray, Black, Tan
Elongation	ASTM D 882	>700% ± 100
Low temperature flexibility	ASTM C765	12.7mm radius at -34°C
Permanence	-	0.001 perms maximum
Pliability	-	No cracks in membrane
Shelf life	-	Up to 5 years
Temperature flexibility range	-	-57°C to >+93°C
Tensile break PSI	-	31 000 kPa
Total thickness	-	2.2 mm center, 0.9mm other areas
180° Peel	ASTM D413 @ 23°C (73°F)	5pli
Water vapour test	ASTME 96B	0.005grs/254cm2/24h/37°C
Watertightness	EN 1928:2000-3 method A	Pass
Resistance to peeling	EN 29862:2019-6	MD 19.2N/cm CMD 19.0N/cm
Resistance to tearing	EN 12310-1	≥ 110 N, EPDM over fastener 's head

Others

Environmental stress crack resistance (ESCR)

The membrane of 100 mm diameter that a key component of the Effisus EasyBolt was tested in accordance with the standard EN ISO 22088-3:2006-08. The results of the tests proved the ageing resistance of the membrane standalone and with a polycarbonate substrate sample.

Essential characteristics	Method	Result
ESC test visual defects control specimens	EN ISO 22088-3:2006-08	no optical defects
ESC test visual defects specimens with membrane	EN ISO 22088-3:2006-08	no optical defects

Basic Use

Effisus EasyBolt is used on top of each fastening point, namely on screwed-down metal roofs, ensuring the weatherproofing of these that tend to be water ingress hotspots.

Composition

Effisus EasyBolt uses a membrane with an innovative and advanced technology based on active sealants, a 100% solids formulation of synthetic resins, thermoplastics and non-curing rubber (non butyl) with a built-in primer. It is bonded to an UV stable backing. In addition, the product is complete with a centrally placed EPDM ring, very robust due to a thickness of 1.3 mm, protecting the membrane from any tear or puncture from the sharp edges on the fastener's head. The adhesive coating is covered by a silicone release liner, to be removed prior to application using a fast-release detail.

Surface Preparation

Surface must be clean and dry. The surface must be cleaned with Effisus Cleaner or similar. Remove any dust, debris, oil and grease and other contaminants.

Application

Without the need for any primer, install Effisus EasyBolt centrally above the fastener, removing the release liner carefully to prevent contamination of the adhesive prior to application. Mold the Effisus EasyBolt to the substrate around the fastening point and rub or roll with pressure using your hand and a silicone roller to activate bonding process. Creases that often result from the installation process do not compromise the sealing efficiency, just apply pressure the same as in all remaining areas.

Storage and Shelf Life

Store the material in the original container between temperatures of 4°C and 38°C (40°F to 100°F). Shelf life is 5 years when stored as recommended.