

GLASSCORP DOWSIL™ SILICONE SEALANTS BPIR DECLARATION

Version 1.0 November 2023



DESIGNATED BUILDING PRODUCT: Class 1

DECLARATION

Glasscorp Ltd has provided this declaration to satisfy the provisions of the Building (Building Product Information Requirements) Regulations 2022.

COMPANY DETAILS

Name	Glasscorp Ltd
Role	Supplier
NZBN	9429040947150
Address	124 Bush Road, Albany, Auckland 0632
Website	www.glasscorp.co.nz
Email	sales@glasscorp.co.nz
Phone	09 415 6338

DESCRIPTION OF BUILDING PRODUCT

Glasscorp Ltd supplies a range of DOWSIL™ silicone sealants. DOWSIL™ is manufactured by [Dow](#). Founded in 189, Dow began researching and developing silicones in 1930. It acquired full control of the silicone business, formally known as *Dow Corning* in 2016. Dow and Corning Inc had operated as a 50:50 joint venture since 1943. Dow is currently the largest producer of silicone products in the world.

Dow has a measurable sustainability plan in respect of the [UN Sustainable Development Goals \(SDG\)](#) and [reports](#) annually on its progress.

Silicone sealants have adhesive properties but unlike other organic polymer-based adhesives they have higher elongation, so the strength of the bonds is lower. However, the primary function of a sealant is to fill gaps, bond to the substrate and create a barrier through which other substances (e.g. moisture) cannot pass.

The range of DOWSIL™ products are intended for use in building applications including structural glazing, insulating glazing, weatherproofing, fire protection and panel bonding.

DOWSIL™ fire resistant silicone sealants are one pot, neutral curing silicones suitable for use in sealing penetrations in structures where a fire resistance rating (FRR) is required.

For more information including the full range of DOWSIL™ products supplied, their use, performance and installation requirements refer to [Glasscorp Ltd](#).

CONTRIBUTION TO BUILDING WORK CODE OBLIGATIONS

Sealants do not have building code obligations. Building code obligations arise when used in building work. Glasscorp relies on Dow manufacturing to ISO 11600-F&G-25LM to make the following claims.

DOWSIL™ sealants may contribute to compliance with the following code clauses when correctly applied.

E2 (External Moisture) & E3 (Internal Moisture), applicable performance criteria. Silicone when applied seals joints and allowed to cure will resist water penetration.

B2 (Durability), B2.3.1(a). The durability of silicone is well established in NZ based on in-service use.

C2 – C6 (Protection from fire), applicable performance criteria. Performance based on fire testing.

F2 (Hazardous Building Materials), F2.3.1. Silicone is not considered hazardous, and does not emit harmful gases.

FOR FURTHER INFORMATION

DOWSIL™ sealants must be used in accordance with all information supplied by Glasscorp Ltd.

For supporting information refer to www.glasscorp.co.nz.

RESPONSIBLE PERSON

In accordance with Regulation 8, as the responsible person I confirm that the information supplied in this declaration is based on information supplied to the company as well as the company's own processes and is therefore to the best of my knowledge, correct.

I can also confirm that DOWSIL™ sealants, as referred to in this statement, are not subject to a warning or ban under [s26 of the Building Act](#).

Signed for and on behalf of Glasscorp Ltd:



S Oakley
TECHNICAL MANAGER

November 2023