

Polythene

BPIR Declaration

Version: v1

Designated building product: Class 1

Declaration

GFC Fasteners has provided this declaration to satisfy the provisions of Schedule 1(d) of the Building (Building Product Information Requirements) Regulations 2022.

Product/system

Name	Polythene
Line	
Identifier	SPOLY01

Description

Plastic sheeting is a polyethylene film that comes in many different colors and thicknesses.

Scope of use

Polythene is moisture-proof and an excellent insulator. By covering concrete with it, the water content can react with the binding agents fully before it dries off. This allows for a slower, more controlled cure with lowered risk of cracking.

Conditions of use

Should be use as detailed in NZ3604

Relevant building code clauses

B1 Structure — B1.3.1, B1.3.2, B1.3.3 (a, b, f, g, h, m, q), B1.3.4

B2 Durability — B2.3.1 (a), B2.3.2 (a, b)

E2 External moisture — E2.3.3, E2.3.7

F2 Hazardous building materials — F2.3.1

H1 Energy efficiency — H1.3.1 (a, b), H1.3.2E

Contributions to compliance

Visit our web site www.gfcfast.co.nz

Supporting documentation

The following additional documentation supports the above statements:

Polythene	v1	https://www.gfcfix.co.nz
-----------	----	---

For further information supporting Polythene claims refer to our website.

Contact details

Manufacture location	Overseas
Legal and trading name of manufacturer	Manufacturer overseas

Legal and trading name of importer	GFC Fasteners
Importer address for service	22 OLIVE ROAD, Penrose 1061
Importer website	www.gfcfast.co.nz
Importer NZBN	9429049146653
Importer email	david@gfcfast.co.nz
Importer phone number	021461618

Responsible person

As the responsible person as set out in Regulation 3, 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 Polythene is not subject to a warning on ban under [s26 of the Building Act](#).

Signed for and on behalf of **GFC Fasteners** :



David Friery
Product Manager
December 2023

GFC FASTENERS
22 OLIVE ROAD, Penrose 1061 New Zealand
021461618 | www.gfcfast.co.nz

Appendix

BPIR Ready selections

Category: Foundation systems

Building code performance clauses

B1 Structure

B1.3.1

Buildings, building elements and sitework shall have a low probability of rupturing, becoming unstable, losing equilibrium, or collapsing during *construction* or *alteration* and throughout their lives.

B1.3.2

Buildings, building elements and sitework shall have a low probability of causing loss of amenity through undue deformation, vibratory response, degradation, or other physical characteristics throughout their lives, or during *construction* or *alteration* when the *building* is in use.

B1.3.3

Account shall be taken of all physical conditions likely to affect the stability of *buildings, building elements and sitework*, including:

- (a) self-weight
- (b) imposed gravity loads arising from use
- (f) earthquake
- (g) snow
- (h) wind
- (m) differential movement
- (q) time dependent effects including creep and shrinkage

B1.3.4

Due allowances shall be made for:

- a. the consequences of failure,

- b. the intended use of the *building*,
- c. effects of uncertainties resulting from *construction* activities, or the sequence in which *construction* activities occur,
- d. variation in the properties of materials and the characteristics of the site, and
- e. accuracy limitations inherent in the methods used to predict the stability of *buildings*

B2 Durability

B2.3.1

Building elements must, with only normal maintenance, continue to satisfy the performance requirements of this code for the lesser of the *specified intended life* of the *building*, if stated, or:

- (a) the life of the building, being not less than 50 years, if: those building elements (including floors, walls, and fixings) provide structural stability to the building, or those building elements are difficult to access or replace, or failure of those building elements to comply with the building code would go undetected during both normal use and maintenance of the building

B2.3.2

Individual *building elements* which are components of a *building* system and are difficult to access or replace must either:

- (a) all have the same durability
- (b) be installed in a manner that permits the replacement of building elements of lesser durability without removing building elements that have greater durability and are not specifically designed for removal and replacement

E2 External moisture

E2.3.3

Walls, floors, and structural elements in contact with, or in close proximity to, the ground must not absorb or transmit moisture in quantities that could cause undue dampness, damage to *building elements*, or both.

E2.3.7

Building elements must be constructed in a way that makes due allowance for the following:

- a. the consequences of failure:
- b. the effects of uncertainties resulting from *construction* or from the sequence in which different aspects of *construction* occur:
- c. variation in the properties of materials and in the characteristics of the site.

F2 Hazardous building materials

F2.3.1

The quantities of gas, liquid, radiation or solid particles emitted by materials used in the *construction* of *buildings*, shall not give rise to harmful concentrations at the surface of the material where the material is exposed, or in the atmosphere of any space.

H1 Energy efficiency

H1.3.1

The *building* envelope enclosing spaces where the temperature or humidity (or both) are modified must be constructed to

- (a) provide adequate thermal resistance
- (b) limit uncontrollable airflow

H1.3.2E

Buildings must be constructed to ensure that their building performance index does not exceed 1.55.