

# Dynatherm PP-RCT Pipe Systems

## BPIR Declaration

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**Designated building product: Class 1**

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### Declaration

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

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### Product/system

<b>Name</b>	Dynatherm PP-RCT Pipe Systems
<b>Line</b>	
<b>Identifier</b>	Codes containing the below identifiers, codes additionally include size and finish identifying elements. <i>D, DCT</i>

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### Description

Our Dynatherm products (by Bänninger in Germany) offer a full range of PP-RCT, Faser and Stabi Polypropylene pipe systems. Dynatherm PP-RCT is suited to both cold and hot water applications and any installation where expansion or contraction is an issue, and is more cost effective than STREAM PE100 in the smaller sizes (90mm and down) for cold water lines.

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### Scope of use

The Dynatherm PP-RCT (Polypropylene - Random Copolymer Temperature enhanced) is a higher density polymer than the standard PP-R80 historically installed in NZ, giving you better efficiency at the highest temperature and pressure demands.

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## Conditions of use

Dynatherm PP-RCT Pipe System is not suitable for use in the following applications:

- As a conductor for earthing electrical appliances
- All fire rated applications
- Exposure to direct sunlight in service, of any colour except all black
- Without adequate support to the pipe in above ground and below ground applications

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## Relevant building code clauses

**B2 Durability** – B2.3.1 (a)

**F2 Hazardous building materials** – F2.3.1

**G10 Piped services** – G10.3.1

**G12 Water Supplies** – G12.3.2, G12.3.7

**H1 Energy efficiency** – H1.3.3

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## Supporting documentation

For further information supporting Dynatherm PP-RCT Pipe Systems claims refer to our website.

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## Contact details

Manufacture location	Overseas
Legal and trading name of manufacturer	Bänninger Kunststoff-Produkte GmbH
Legal and trading name of importer	UPG Pipe Systems
Importer address for service	17 Raiha Street Porirua 5022
Importer website	<a href="http://upg.nz">upg.nz</a>
Importer NZBN	9429030885011
Importer email	sales@upg.net.nz
Importer phone number	04 2384452

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## 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 Dynatherm PP-RCT Pipe Systems is not subject to a warning on ban under [s26 of the Building Act](#).

Signed for and on behalf of **UPG Pipe Systems**:

*James Bolland*

James Bolland  
Purchasing Manager  
December 2023

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**UPG PIPE SYSTEMS**  
17 Raiha Street Porirua 5022 New Zealand  
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# Appendix

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## Building code performance clauses

### 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

### 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.

### G10 Piped services

#### G10.3.1

Piping systems shall be constructed to avoid the likelihood of:

- a. significant leakage or damage during normal or reasonably foreseeable abnormal conditions,
- b. detrimental contamination of the contents by other substances,
- c. adverse interaction between services, or between piping and electrical systems, and
- d. people having contact with pipes which could cause them harm.

### G12 Water Supplies

#### G12.3.2

A potable *water supply system* must be—

- a. protected from contamination; and
- b. installed in a manner that avoids the likelihood of contamination within the system and the water main; and
- c. installed using components that will not contaminate the water.

#### G12.3.7

*Water supply systems* must be installed in a manner that

- a. pipes water to *sanitary fixtures* and *sanitary appliances* at flow rates that are *adequate* for the correct functioning of those *fixtures* and *appliances* under normal conditions; and
- b. avoids the likelihood of leakage; and
- c. allows reasonable access to components likely to need maintenance; and
- d. allows the system and any backflow prevention devices to be isolated for testing and maintenance.

## H1 Energy efficiency

### H1.3.3

Account must be taken of physical conditions likely to affect energy performance of buildings, including

- a. the thermal mass of *building elements*; and
- b. the building orientation and shape; and
- c. the airtightness of the building envelope; and
- d. the heat gains from services, processes and occupants; and
- e. the local climate; and
- f. heat gains from solar radiation.