

Building Product Information Sheet

Product name:

Delonghi steel panel radiator

Product line (the product line from which the product is customised):

Type 11, 21, 22 water heated steel panel radiators

Product description and its intended use (measurements, materials, usage):

DeLonghi's steel panelled radiators are available in three types: Type 11 which is 63mm thick, Type 21, which is 66mm thick; and Type 22, which is 100mm thick. They are available in sizes ranging from 400 to 2300mm wide and 300 to 900mm high. These types and sizes affect the amount of heat that the radiator puts out. Radiators are available in a vertical or horizontal orientation. Radiant heat is provided with no forced air movement, Quick response time (around 10 minutes to warm up).

Product identifier (if applicable):

DLP11/21/22

Please of manufacturer: Aotearoa New Zealand Overseas

Legal and trading name of the manufacturer(s):

Radiators S.P.A.

Legal and trading name of the manufacturer(s):

Central Heating New Zealand Ltd

Address for service:

STREET NAME 52 Pilkington Way

SUBURB Wigram

CITY, COUNTRY Christchurch, New Zealand

POSTCODE 8042

Website:

<https://www.centralheating.co.nz/>

Email Address:

info@centralheating.co.nz

Phone No. (if applicable):

03 357 1233

NZBN (if applicable):

9429036621231

Relevant Building Code clauses:

Clause B2 DURABILITY:

Performance B2.3.1 (c)

Clause F2 HAZARDOUS BUILDING MATERIALS:

Performance F2.3.1.

Clause G5 INTERIOR ENVIRONMENT:

G5.2.1 (a), G5.2.2, G5.3.1, G5.3.2

Clause G10 PIPED SERVICES:

Performance G10.3.1 (a).

Statement on how the building product is expected to contribute to compliance:

Clause B2 DURABILITY:

Performance B2.3.1 (c) 5 years. Delonghi radiators are easy to access and replace if installed in accordance with the instructions and product requirements, noting that Delonghi Radiators come with a 25-year warranty.

Clause F2 HAZARDOUS BUILDING MATERIALS:

Performance F2.3.1. Delonghi radiators meet this requirement and do not present a health hazard to people.

Clause G5 INTERIOR ENVIRONMENT:

G5.2.1 (a), G5.2.2, G5.3.1, G5.3.2 Delonghi radiators meet this requirement and can be used within buildings to achieve adequate temperatures in habitable spaces, bathrooms, and recreation rooms in old people's homes and childhood centres. Thermostatic controls may be required to limit surface temperatures of the radiator, or secondary protection from contact.

Clause G10 PIPED SERVICES:

Performance G10.3.1 (a). Delonghi radiators are supplied by a non-potable piping system, which contributes to meeting this requirement when used in heating systems.

Delonghi radiators are installed within the thermal envelope.

Delonghi radiators are tested and comply with BS EN 442-2:2014 Radiators and convectors, Test methods and rating.

- *options for compliance set out in section 19 of the Act (regulations, acceptable solution, verification method)*
- *standard or technical document that describes the performance of the building product or the relevant specifications to which the building product was manufactured.*
- *physical properties of the building product*
- *how the building product is intended to be used.*

Limitations on the use of the building product:

Please refer to the Delonghi radiator [technical manuals](#) and [product specification](#) supporting information provided on the Central Heating NZ website.

Design requirements that would support the use of the building product:

Please refer to the Delonghi radiator technical manuals and [product specification](#) supporting [information](#) provided on the Central Heating NZ website.

The Delonghi radiator set out and heating system is subject to site specific design by the heating system proprietor.

Designer must consider the requirement of building code clause H1 for heating installed within the thermal envelope.

Installation requirements:

Please refer to the Delonghi radiator [technical manuals](#), [install guide](#) and product specification supporting information provided on the Central Heating NZ website.

All positions and heights above finished floor level of the radiators are to be confirmed on site before installation. Co-ordination between trades is essential. Ensure the main contractor has been engaged when confirming radiator locations to ensure they do not interfere with fixings or furniture.

Radiator installation manuals must be reviewed prior to installation to ensure bracket details and pipe positions are confirmed.

Installation of Delonghi radiator system components must be carried out by a trained and qualified installer, familiar with the Delonghi radiator system installation requirements.

Delonghi radiator system manuals and installation requirements must be available on site for reference during installation (either print or digital media).

The radiators must be installed with F7 earthquake proof wall brackets ensuring sufficient stability and design. The brackets can be fitted in any position along the length of the radiator, recommended locations from the brackets are 150mm in from each end (for larger radiators additional brackets may be required) and the installer must locate adequate fixings are located inside the walls during the pre-pipe stage.

Radiators should be fitted with the following valves:

- Lock-shield type valve, bottom pipe entry
- Danfoss thermostatic radiator valve with adjustable ring for balance flow temperatures
- Rotatable bleed valve
- Drain plug at low point

A detailed as-built plan and site photos shall be provided upon the conclusion of installation showing location of all embedded/concealed pipework supplying the radiator(s)

Maintenance requirements:

Access for [maintenance](#) and replacement is simple, with surface mounted brackets and threaded fittings. this should be carried out in consultation with the system installer.

Is the building product/building product line subject to warning or ban under section 26:

Yes No

If yes, description of the warning or ban under section 26:

Date:

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