



# Building Product Information Sheet | Class 1

**Product Name:**

Dricon SuperSet and 50/50 Repair Mortar

**Product Line:** Dricon repair mortars

**Product Description & its intended use (*measurements, materials, usage*):**

Dricon repair mortars are formulations containing cement, sand, and admixtures which when mixed with water form a plaster or repair mortar. Dricon products in this category are supplied under the trade names of High Strength SuperSet (SS), and 50-50 Repair Mortar. The appropriate use for each product and the expected performance is described in the Dricon Product Manual.

**Product Identifier:**

**Place of Manufacture:** Aotearoa New Zealand

**Legal & Trading name of Manufacturer(s):** Fletcher Concrete and Infrastructure Limited

**Address for Service:**

810 Great South Road  
Penrose  
Auckland 1061

**Website:** [www.dricon.co.nz](http://www.dricon.co.nz)

**Email Address:** [info@firth.co.nz](mailto:info@firth.co.nz)

**Phone No.:** 0800 FIRTH 1 / 0800 347 841

**NZBN (If applicable):** N/A



### Relevant Building Code Clauses:

50/50 Repair Mortar is a blend of fine sands and cement formulated to achieve a strength of 20MPa. It is commonly used in the precast industry to remove shallow surface defects using a "bagging" technique. It is normally used to achieve a required aesthetic and as such there are not relevant building code clauses.

SuperSet is a high strength repair mortar designed to achieve 40MPa under standard curing conditions. More information on its use can be found in the Technical data sheet. Compliance with any relevant building code requirements (typically B1 and B2) should be determined by appropriately qualified persons familiar with repair techniques. Normally this would involve matching the product strength to the reinforcement cover depths and the environmental conditions.

Dricon products are manufactured under an independently audited quality management system confirming to AS/NZS ISO9001.

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

To ensure compliance with the NZ Building Code the appropriate Dricon product must be selected (refer Dricon Product Manual). The product must be mixed and used in accordance with the instructions printed on the bags. The use of these products is normally specified by an appropriately qualified person (engineer) and therefore the instructions in the project specification shall also be followed.

Structure - B1: when mixed and used as specified on the bags, Dricon SuperSet achieves a compressive strength of 40MPa. Compliance is determined by others (Designer) matching the 28 day compressive strengths with what is required for the design using Standards such as NZS3101.

Durability - B2: Compliance is typically determined by others (Designer) by considering the 28 day compressive strengths, binder contents/compositions and reinforcing cover depths in accordance with design standard such as NZS3101.

### Limitations on the use of the building product:

Efflorescence (coloured deposits, often white and powdery or calcified, which sometimes form on concrete and mortar products) is not deemed to be a defect as it is a natural part of the curing process. Efflorescence is a temporary phenomenon that may manifest, at any time, for undefinable periods of time and with varying severity. Its management is outside of the control of Dricon and in general it is recommended to let it run its course. If desired, methods and products to reduce/remove efflorescence are available from Dricon stockists.

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

Texture and colour variations due to the natural materials used in manufacturing can occur in repair products and are not deemed a product defect. Dricon makes every endeavour to manufacture a consistent colour from batch to batch, however if the manufacturing dates (batch number) differ from bag to bag, it is advisable to double check the mortar colours first use to ensure consistency.

Consistent shades and colours of any given repair mortar may not be achieved if the mixing time and/or amount of water added when mixing is varied from mix to mix.



### Installation requirements:

Repair mortar products shall be installed by suitably trained persons familiar with the products.

Refer Technical dataset on website for more detailed information.

### Maintenance Requirements:

Dricon repair mortar products shall be maintained by annual inspection with cleaning and repair of any cracks as necessary.

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

Yes  No

If yes, description of warning or ban under section 26: N/A

Date: 08/11/23