



ARDEX Building Product Information Sheet: ARDEX Construction Range Cements

Product name:	ARDEX Construction Range Cements
Product line (the product line from which the product is customised)	Construction Range Cements
Product description and its intended use (measurements, materials, usage)	<p>BR345 MICROTEC® Fibre-Reinforced, High Resistivity, Polymer-Modified, Structural Concrete Patching and Repair Mortar is designed for reinstating concrete surfaces damaged through concrete spalling and other chemical or mechanical causes.</p> <p>BR340 MICROTEC® Fibre-Reinforced, Polymer-Modified, Structural Concrete Patching and Repair Mortar is designed for reinstating concrete surfaces damaged through concrete spalling and other chemical or mechanical causes</p> <p>BR460 FLOW High Performance, Flowable Structural Micro Concrete is a pourable repair mortar designed for reinstating horizontal concrete surfaces damaged through concrete spalling and other chemical or mechanical causes.</p> <p>A 46 is a rapid setting and drying, slump-free mortar.</p> <p>A 45 is a rapid drying and rapid hardening slump free repair mortar.</p> <p>A 30 is a slump free feather edge patching compound that is designed for internal filling of cavities, holes, unevenness and patching work in wall and floor areas.</p> <p>ARDEX MRF moisture-resistant, skim coat smoothing compound is designed to provide a smooth surface prior to the installation of ARDEX moisture control systems or moisture-resistant adhesives and flooring.</p>
Product identifier (if applicable):	<p>A 30 – 11285</p> <p>A 45 – 10237</p> <p>A 46 – 25354</p> <p>BR 460 FLOW – 24543</p> <p>BR 340 – 24611</p> <p>BR 345 – 25475</p> <p>MRF - 40409</p>
Place of manufacture:	Overseas
Legal and trading name of the manufacturer(s):	ARDEX Australia
Legal and trading name of the importer	ARDEX New Zealand Ltd



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Relevant Building Code clauses:	B1 Structure B2 Durability C6 Structural Stability F2 Hazardous Building Materials: F2.3.1
Statement on how the building product is expected to contribute to compliance:	<p>ARDEX Construction Range Cements comply with the principles defined in EN 1504-9 (“Products and systems for the protection and repair of concrete structures. Definitions, requirements, quality control and evaluation of conformity. General principles for use of products and systems”), and the minimum requirements for EN 1504-3 (“Structural and non-structural repair”) for R3 and R4 class structural repair mortars</p> <ul style="list-style-type: none"> • A suitably qualified Structural Design Engineer should specify this product based on the structural requirements of the degraded concrete structure. • A Structural Design Engineer should review the NZ Building code clauses with reference to EN 1504-3, SAA/SNZ HB84:1996 and NZS 3101:2006 to confirm compliance for each specific application • ARDEX Construction Grout Cements have an A1 rating for Fire as per euro class EN 13501-1 • F2 Hazardous Building Materials: F2.3.1 – ARDEX Construction Grout Cements contain a mix of cement, sand, fibres, and additives. When the product is being applied it therefore has the same hazards as fresh concrete and appropriate health and safety precautions should be undertaken. Once this product is set and hard ARDEX Construction Range Cements are a non-hazardous product and do not emit any harmful gases or substance.
Limitations on the use of the building product:	<ul style="list-style-type: none"> • To avoid shrinkage when ARDEX Construction Range Cements are drying in open air, use a special admixture which has the property of reducing both plastic and hydraulic shrinkage. • Do not use ARDEX Construction Range Cements for recasting in formwork or for repairs of structures subjected to intense compressive loads or high abrasion. • ARDEX Construction Range Cements should not be applied on smooth surfaces, roughen the surface thoroughly and add rebars if necessary.
Design requirements that would support the use of the building product:	<ul style="list-style-type: none"> • Specification of ARDEX Construction Range Cements should be specifically undertaken by a qualified structural engineer after identifying the cause of degradation of the concrete structure/member and by selecting relevant concrete repair mortar to meet the performance parameters for restoration. • Specification should comply with the requirements of EN 1504-3, SAA/SNZ HB84:1996, NZS 3101:2006. • A qualified structural Engineer should check and confirm the compatibility of the product with Building Components.



Installation requirements:	Please refer to the appropriate product datasheet found at ardex.co.nz
Maintenance requirements:	No special maintenance other than standard building maintenance in the area where the product is used, unless otherwise specified in the product datasheet
Is the building product/building product line subject to warning or ban under section 26?:	No
	ARDEX BPIS Construction Range Cements v2 08.03.24