

Class 1

Building Product Information Sheet

Product Name

EPAR Epoxy Mortars - EPAR EM, EPAR EX, EPAR 705

Product description and its intended use

EPAR Epoxy Mortars are two-part, non-slump epoxy mortars formulated to give a strong bond to dry or damp concrete, steel, glass, aluminium etc.

EPAR Epoxy Mortars are typically used for:

- Assembly and repair of precast concrete units.
- Repair of spalling concrete and protection of steel reinforcement.
- Levelling and patching of concrete floors under heavy load or impact.
- Grouting of starter bars and bolts particularly horizontal or overhead.
- Fabrication of concrete pipe intersections and general drainage work, including underground work.

Product identifier (if applicable):

Product is identified by grade: EM, EX or 705

Place of manufacture

New Zealand

Legal and trading name of the manufacturer(s):

Stratmore Construction Solutions Limited

Legal and trading name of the importer (if applicable):

Address for service:

STREET NAME	185 Rata Street	SUBURB	Naenae
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CITY, COUNTRY	Lower Hutt New Zealand	POSTCODE	5011
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Website:	www.stratmore.co.nz
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Email address:	info@stratmore.co.nz
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Phone No. (if applicable):	+64 4 567 8436
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NZBN (if applicable):	9429040948867
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Relevant Building Code clauses:

B1 Structure: Performance clauses B1.3.1, B1.3.2
B2 Durability: Performance clauses B2.3.1(b) and B2.3.2
E2 External Moisture: Performance clause E2.3.3
E3 Internal Moisture: Performance clauses E3.3.3, E3.3.4, E3.3.5, E3.3.6
F2 Hazardous Building Materials: Performance clause F2.3.1

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

B1.3.1, B1.3.2: EPAR Epoxy Mortars may be used in applications that improve or repair the performance of other building elements (such as concrete repair or joining concrete elements) subject to technical design by a building engineer.

B2.3.1(b) and B2.3.2: EPAR Epoxy Mortars have a durability of at least 50 years when the product is correctly proportioned, mixed and applied in accordance with the product datasheet. Exposure to chemicals, undue stress or use outside of the product's area of application will impact durability. Durability is dependent on the condition of the substrate to which the epoxy is applied – the EPAR Epoxy mortar will not increase the durability of poor substrates away from the area of application.

E2.3.3: EPAR Epoxy Mortars may be used in situations to repair or bond or support walls, floors and other structural elements. EPAR Epoxy Mortar will not absorb or transmit moisture in its own right.

E3.3.3, E3.3.4, E3.3.5, E3.3.6:

EPAR Epoxy Mortars are impervious, when used as directed, and will not absorb or transmit moisture. EPAR Epoxy Mortars will not prevent connected or coated building elements from absorbing or transmitting moisture if those elements are exposed to such in areas not in contact/coated with the epoxy.

F2.3.1: EPAR Epoxy Mortars are supplied as a two-part product; a hardener and a resin. Both hardener and resin are deemed hazardous (in accordance with Health & Safety Legislation classifications). However, when properly mixed and cured in accordance with the product datasheet (or label), the cured product is not hazardous and will not present any health hazards. Care must be taken if the cured product is cut, ground or sanded as the resulting dust is considered harmful.

Limitations on the use of the building product:

EPAR Epoxy Mortars shall only be used in applications as described on the product data sheet. The quantity of the epoxy mortar used is determined by the application. Insufficient epoxy mortar relative to the required performance will result in failure. **Do NOT use in situations that exceed the performance data as listed on the relevant Product Technical Datasheet.**

The two parts of the epoxy mortar (hardener and resin) must be accurately proportioned, mixed and applied in accordance with the product data sheet and label instructions. The product must be allowed to cure (minimum application temperature applies) for 5 days before being subjected to stress, impact, vibration, external loads, etc.

Substrates must be correctly prepared prior to application. EPAR Epoxy Mortars can be used to repair existing or new building elements, but will not increase the strength of the underlying substrate.

EPAR Epoxy Mortars cannot be used in any applications with exposure to direct flame, nor are they to be used in situations that require movement of the bonded joint or repair. Application or use in critical applications must be under the guidance of a building/structural or civil engineer.

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

EPAR Epoxy Mortars are intended for use as an adhesive to bond or secure appropriate building elements (concrete, steel, brick, etc) to one another or to patch spalled areas of concrete to reinstate integrity.

Installation requirements:

Refer to the appropriate EPAR Epoxy Mortar Product Technical Datasheet available for download from <https://www.stratmore.nz/product-resources/>

Ensure the product is correctly proportioned, mixed, applied and cured in accordance with the instructions.

Ensure that the building elements to be bonded or repaired are compatible with an epoxy mortar. Some substrates such as PVC or plastic will not be bonded by an epoxy mortar.

Apply a small amount of product to both bonding surfaces and work well into the substrate. Build up layers to the required thickness, then join. Allow epoxy to fully cure.

For underwater application, mix the EPAR Epoxy Mortar above water and, when applying, work the epoxy well into the substrate to gain a good bond, then build up layers. Avoid mixing water into the EPAR Epoxy Mortar.

Maintenance Requirements:

EPAR Epoxy Mortars do not have any maintenance requirements once fully cured.

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: 10 August 2023