

Eporip

Building Product Information Requirements Compliance Statement

Date: 26/10/2023 (version 1)

Product Name: **Eporip**

Product identifier: **Eporip**

Product Line

Eporip is a two-component, solvent free epoxy adhesive, for bonding of old concrete with new concrete and for monolithic sealing of cracks in screeds.

Product Description

Eporip is two-component solvent free epoxy adhesive (component A – resin and component B – hardener) mixed together before use. Once mixed, Eporip is a slightly thixotropic paste, that can be applied by brush on horizontal and vertical surfaces. It polymerises without shrinkage. After curing it has excellent dielectric properties and high mechanical characteristics beyond its ability to bond to concrete and steel. Eporip meets the requirements defined by 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 the use of products”) and the minimum requirements claimed by EN 1504-4 (“Structural bonding”). Eporip can be used for bonding of precast concrete elements, filling cracks in concrete and bonding steel with concrete.

Eporip is available in 10kg kits and 2 kg kits.

Please refer to the TDS for areas of use, performance parameters and application procedures for this product. Alternatively, request support at:

www.mapei.com/nz/en/technical-and-commercial-support

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WE SUPPLY THE FOLLOWING MAPEI GROUP BRANDS AND SYSTEMS:



Relevant Building Code Clauses

- B1 Structure
- B2 Durability
- C6 Structural Stability
- F2 Hazardous Building Materials: F2.3.1

Contributions to Compliance

B1 Structure, B2 Durability, C6 Structural Stability:

- Eporip meets the requirements defined by 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 the use of products”) and the minimum requirements claimed by EN 1504-4 (“Structural bonding”)
- A Structural Design Engineer should specify the product for structural bonding applications based on the requirements of the structure in reference to the product performance prescribed in the TDS.
- Eporip has C-s1, d0 rating for reaction to fire as per euro class EN 13501-1
- A Structural Engineer should review the NZ Building Code clauses with reference to EN1504-4, NZS 3101:2006, EN 13501-1 to confirm compliance in each specific application.

F2 Hazardous Building Materials: F2.3.1:

- Eporip being a solvent free epoxy product is hazardous during application. Therefore, during application, safety measures detailed in the products SDS should be followed including the wearing of appropriate Personal Protective Equipment. Once the product is cured and hardened, it is not hazardous and does not give rise to harmful gases or substances when exposed.

Scope and Design Requirements

- A Structural Design Engineer should specify the product for structural bonding based on the requirements of the structure in reference to the product performance prescribed in the TDS.
- Eporip meets the requirements defined by 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 the use of products and systems”) and the minimum requirements claimed by EN 1504-4 (“Structural Bonding”)
- A qualified structural Engineer should check and confirm the compatibility of the product with other building components.

Conditions and Limitations of Use

- Do not use Eporip on dusty and crumbling surfaces.
- Do not cast fresh concrete on hardened Eporip.
- Do not use Eporip on wet surface.
- Do not use Eporip at temperatures below +5°C.

Supporting Documentation

The following additional documentation supports the above statements:

Eporip - Technical Data Sheet (366-7-2013)

<https://www.mapei.com/nz/en/products-and-solutions/products/detail/eporip>

Eporip - Safety Data Sheet (07/07/2021 - version 2)

<https://www.mapei.com/nz/en/products-and-solutions/products/detail/eporip>

Contact Details**Manufacture location**

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Warnings and Bans

Eporip is not subject to a warning or ban under section 26 of the Building Act 2004.

Version History

| Version number | Written by | Checked by | Date issued | Changes from previous version |
|-----------------------|-------------------|-------------------|--------------------|--------------------------------------|
| VI 26/10/23 | PM | PT | 26/10/2023 | New document |