

MasterInject® 1315

Two component system based on low-viscosity epoxy resins

DESCRIPTION

A two component system based on low-viscosity epoxy resins. Ideal for sealing static cracks from widths greater than 100 microns but no more than 9mm. It is highly penetrative and cures to form a permanent and rigid seal against the ingress of corrosive fluids and gases and is capable of restoring structural integrity to concrete elements.

TYPICAL APPLICATIONS

Repair and sealing of "static" concrete cracks. The injection resin can be used to fill and bond dormant cracks in:

- Columns
- Bridge decks
- Floors
- Piers
- Abutments
- Tunnels
- Basements
- Beams
- Underpasses

ADVANTAGES

- Has a low viscosity and will penetrate deeply into very narrow cracks and cavities.
- **MasterInject 1315** injection resin has superior adhesion to dry surfaces.
- **MasterInject 1315** will enable a structural repair to be effected and offers high compressive strength. Can be used as a fluid grout up to thicknesses of 9mm.
- **MasterInject 1315** (once fully cured) will resist hydrostatic pressure and block penetration of deleterious substances.

CHEMICAL RESISTANCE

MasterInject 1315 Low Viscosity injection resin (in a fully cured state) has excellent resistance to most aqueous substances and liquids. These include:

- Sea water
- Brackish water
- Effluent and raw sewage
- Acids of low concentration
- Alkalis
- Oils (mineral and organic)

PACKAGING: 1 LITRE KIT

MasterInject 1315

Base Resin: 0.852kg bottle

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Reactor Resin: 0.213kg bottle

SPECIFICATION CLAUSE

All cracks and voids, where indicated shall be injected with **MasterInject 1315** injection resin (specify) as manufactured by BASF Dubai, or similar approved. The appropriate material shall be mixed and placed in accordance with the manufacturer's recommendations.

A BASF technical representative or approved applicator should be consulted to assist with on-site recommendations etc.

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PHYSICAL AND TECHNICAL PROPERTIES*

Colour	Water Clear
Composition	2 part solvent free epoxy resin
Specific gravity of mixed material ASTM D1475	1.05 kg/l
Viscosity ASTM D2196	204 mPa.s
Pot life*1 ASTM D2471	53 mins 25°C 30 mins 40°C
Service temp. range	-20°C to +60°C
Slant Shear Bond Strength ASTM C-882 : 1990	30N/mm ² at 14 days
Compressive strength ASTM D695	>70N/mm ² at 7 days
Tensile strength ASTM D638	>25N/mm ² at 7 days
Flexural strength DIN EN ISO 178	>70N/mm ² at 7 days

*Properties listed are based on laboratory controlled tests.

*1Note: Pot life will vary depending on storage and site conditions.

INSTALLATION PROCEDURES

Please refer to the **BASF Guide to Injection** for the full installation details and options relevant to this product.

STORAGE

Store under cover out of direct sunlight and protect from extremes of temperature.

In tropical climates (ambient temperature of over 35°C) the product must be stored in an air conditioned environment. **MasterInject 1315** may be kept in cool boxes preferably bedded in ice, to extend the working time of the product.

SAFETY PRECAUTIONS

As with all chemical products, care should be taken during use and storage to avoid contact with eyes mouth, skin and foodstuffs (which can also be tainted with vapour until product fully cured or dried). Treat splashes to eyes and skin immediately. If accidentally ingested, seek immediate medical attention. Keep away from children and animals. Reseal containers after use.

NOTE

Field service, where provided, does not constitute supervisory responsibility. For additional information contact your local MBCC representative.

MBCC reserves the right to have the true cause of any difficulty determined by accepted test methods.

QUALITY AND CARE

All products originating from MBCC's Dubai, UAE facility are manufactured under a management system independently certified to conform to the requirements of the quality, environmental and occupational health & safety standards ISO 9001, ISO 14001 and OHSAS 18001.

* Properties listed are based on laboratory controlled tests.

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STATEMENT OF RESPONSIBILITY

The technical information and application advice given in this MBCC publication are based on the present state of our best scientific and practical knowledge. As the information herein is of a general nature, no assumption can be made as to a product's suitability for a particular use or application and no warranty as to its accuracy, reliability or completeness either expressed or implied is given other than those required by law. The user is responsible for checking the suitability of products for their intended use.

NOTE

Field service where provided does not constitute supervisory responsibility. Suggestions made by MBCC either orally or in writing may be followed, modified or rejected by the owner, engineer or contractor since they, and not MBCC, are responsible for carrying out procedures appropriate to a specific application.

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