



DATASHEET

FUSIONCRETE EP

Epoxy based "Fix All" Type Tile/stone Adhesive for Multi Use

PRODUCT DESCRIPTION:

Fusioncrete EP is an advance two component organic resin based tile adhesive designed for fixing of small to bigger size of tiles, stones, marble, granite to different types of substrates on floor or wall. When the two components are mixed together, a thixotropic mix is obtained which can be easily applied, even on vertical surfaces, at a thickness of up to 1 cm in one single coat.

AREA OF USES:

Internal and external bonding of ceramic, porcelain and stone to floors and walls, on all substrates normally used in the building industry.

Some application examples are:

- Bonding of all types and sizes of ceramic tiles.
- Rigid bonding of bull nose and special ceramic tile shapes.
- Bonding tiles in fibreglass swimming pools.
- Bonding marble and granite doorsteps and windows

User benefits

Fusioncrete EP Adhesive has the following characteristics:

- Excellent durability and resistance to ageing;
- Perfect bonding on all types of substrate commonly used in the building industry;
- No shrinkage during curing phase, becoming extremely strong.
 - Plastic mortar providing good workability, mortar can be easily applied with a spatula or trowel.
 - Non sag, therefore easier and quicker application.
 - Meets the requirements of R2T according to ISO 13007-1



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MULTIFIX-FUSIONCRETE EP/2017/R0-2017



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TECHNICAL DATA:

Description	Results
Open Time	1 hour @ 25°C
Final Set	24 hours depending on Temperature and substrate
Colour	white
Bed Thickness & Coverage	1.5 kg per m ² /mm thickness
Packaging	10 kg kit
Storage	Store above 5 °C and below 30 °C
Shelf Life	6 months in above conditions

APPLICATION DATA:

Preparation of the substrate

The substrate must be well cured, mechanically strong, dry and free from flaking parts, grease, oil, paint, wax, etc. Cementitious substrates must not shrink after laying the tiles. Therefore, during good weather, the curing time must be at least one week per centimetre of thickness. On ferrous surfaces, rust must be removed by sand-blasting. On gypsum, plaster-board and anhydrite surfaces, we recommend consolidating the surface by applying a coat of **FloorPrime EP**.

Preparation of the mix

The two components which make up **Fusioncrete** Adhesive are supplied in pre-dosed drums:

- part A: grey colour, 80 parts by weight;
- part B: beige colour, 20 parts by weight.

The ratio between the two components is compulsory, and any modification may cause the product to harden incorrectly. Pour the catalyst (part B) into the container with part A and mix well until a smooth paste is obtained. We recommend using a low-speed electric mixer to guarantee perfect bonding, and to avoid overheating of the mix which would reduce working times. Use the mix within 45 minutes of its preparation.

Application

Spread the adhesive onto the substrate using a suitable notched trowel. If the adhesive is used for bonding special tile shapes, also fill the gaps on the back of the piece with the **Fusioncrete** Adhesive mix before laying. Press the pieces to be





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bonded by pressing them together to guarantee good buttering. Once set, the bond will be very tough. The surrounding temperature effects the hardening time of the product. At +23°C it remains workable for approximately 45 minutes, and this time reduces as the temperature increases.

Grouting:

Leave for approximately 24 hours before grouting and/or walking on tiles (longer time may be required on impervious surfaces). Please consult our product guide for the recommended grout for application.

CLEANING:

All tools should be cleaned with hot water immediately after use or suitable product.

STORAGE:

Store in dry, frost-free conditions at moderate temperature not **greater** than 25 °C.

SAFETY DATA:

- **Irritating to eyes, respiratory systems and skin.**
- **Risk of serious damage to eyes.**
- **Keep out of reach of children. In case of contact with eyes, rinse immediately with plenty of clean water and seek medical advice.**
- **After contact with skin, wash immediately with plenty of clean water.**
- **Wear suitable protective clothing, gloves and eye/face protection.**

Please consult our technical department for further information.



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WARRANTY

Multichem warrants **Fusioncrete** adhesives and grouts to be free from manufacturing defects as defined in this warranty. Manufacturing defects are considered to be those defects that occur due to the quality of the ingredients or from the manufacturing process itself. This warranty does not include labor costs and other costs or expenses associated with the removal or installation of **Fusioncrete** adhesives and grouts.

Because the Multichem does not perform the actual installation, it cannot be held responsible for the results of the application. Multichem specifically disclaims problems that occur due to weather conditions, structural movement, structural design flaws and application techniques.

This warranty is in lieu of all other warranties expressed or implied including the warranty of merchantability and fitness of purpose and of all other obligations or liabilities on Multichem part. Multichem neither assumes nor authorizes any person to assume for Multichem any liability in connection with the sale and installation of **Fusioncrete** adhesives and grouts.

Because of constant improvement of manufacturing techniques and formulations, Company reserves rights to change this datasheet and its contents without prior notice.

