

410 Flex

FIBRE REINFORCED REPAIRING MORTAR

SMART ADVANTAGES

- Extra fiber reinforced
- Easy to apply
- Anti-crack formulation

PRODUCT DESCRIPTION

410 Flex is a cement-based, coarse-grained repairing mortar with extra polypropylene fibre. It is suitable for interior and exterior use manually and in compliance with TS EN 1504-3 R1 class with anti-crack formulation, excellent water vapour permeability and enhanced flexibility.

AREAS OF APPLICATIONS

- Interior and exterior
- On walls and ceilings
- In humid and wet volumes
- In exposed concrete surfaces

FEATURES

- Resistant to water, frost and humidity
- Plastic consistency
- Easy to apply
- High adhesion strength on surfaces
- Cement-based; it keeps the interior humidity stable with excellent water vapour permeability
- Hydraulic bounding quality
- Fireproof

PREPARATION OF THE SUBSTRATE

- In over-plaster applications, it should be rested for 72 hours after the plastering.
- The adhesion preventive substances such as dust, dirt, mould oil, slag, etc. should be removed from the surface.
- Residues and wastes like cement, plaster and concrete should be cleaned from the application surface.
- Cracked plasters, weak surfaces and moss residues should be removed from the application surface.
- The surfaces like exposed concrete should be primed with Bostik ContactPrimer before the application.
- Highly absorbent concrete surfaces should be primed with adhesion bridge installing mortar or Bostik MultiPrim.
- Aerated concrete and porous brick surfaces should be primed with Bostik MultiPrim.
- Other kind of surfaces should be dampened sufficiently; it should be applied after rested adequately.

APPLICATION

- Bostik 410 Flex should be mixed with a low cycle mixer after pouring into a container filled with 4,5 – 5,5 lt of clean water at normal environment temperature until a smooth mixture is obtained. Mixing time should be minimum 5 minutes. The obtained mortar should be rested for 3 minutes and mixed for 3 minutes again in order to obtain a homogenous mixture.
- The mixed mortar is ready to apply after an aging period of 3 minutes.
- The fresh mortar should be used within 1 hour.
- In order to obtain a smooth surface, the material should be triphylined with a sponge triphylene after hardened enough.
- In the surfaces on which Bostik 410 Flex is applied, it should be rested for 6 hours between the first and second layer.
- In order to prevent application cracks, the surface should



TECHNICAL DATA

Dmax (mm)	1
Colour	Grey
Applicable Thickness (mm)	10
Dry Unit Volume Weight (kg / lt)	1,5 ± 0,2
Wet Unit Volume Weight (kg / lt)	1,7 ± 0,2
Pot Life (min.) (at 20°C)	~ 60
Working Time (min)	~ 30
Curing Time (hour)	~ 24
Compressive Strength (28 days) (N/mm ²)	≥ 10
Flexural Strength (28 days) (N/mm ²)	≥ 5
Adhesion Strength onto concrete (N/mm ²)	≥ 0,8
Water Mixing Ratio (for 25 kg dry mortar)	4,5 – 5,5 lt
Environment temperature for application	Between +5°C and +35°C

Technical data is obtained according to +23°C air temperature and 50% relative humidity.

be dampened before the second layer application.
- It is recommended to be used as repair mortar for filling the fine cracks and gaps on the application surface.

AFTER APPLICATION

- In order to avoid fast and unhealthy drying, the surfaces should be protected from direct sunlight and adverse air conditions such as heavy wind and frost.
- To obtain the recommended long term technical performance of the product, after the completion of the all application, the application and/or work should be covered and protected with a suitable coating or covering (paint, ceramic, tile etc...) as early as possible (depending on the product's drying time within 3-7 days).

COVERAGE

Approx. 1,3 – 1,5 kg/m² for 1 mm thickness.
The coverage amounts are theoretical and it is recommended to do coverage-controlled sample application before treatment.

PACKAGING

In 25 kg craft bags, 64 bags in 1 palette (1600 kg/palette)

STORAGE

- Dry mortar bags should be protected from water, frost and adverse air conditions.
- They should be kept dry and cool on wooden pallets at between +10°C and +25°C in moisture free conditions.
- The torn and opened drums should be closed immediately and consumed first.
- Maximum 8 bags are stacked on each other.
- Shelf life is maximum 12 months conditional to complying with the abovementioned storage conditions.

HEALTH AND SAFETY INFORMATION

For health and safety instruction, first aid measures and spillage and disposal instructions, see separate Safety Data Sheet.



BOSTIK SMART SUPPORT

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Warning: Bostik is only responsible for the product quality and cannot be held responsible for its mis-use except for the recommendations regarding where and/or how the product shall be used. It is not possible to give a guarantee for the results of operations for individual cases, due to multiplicity of possible uses and storage and processing conditions of the product, which are not under our control. Where necessary, the user should make their own tests. Due to local regulations, product performance may vary from country to country. This technical bulletin hereby is valid until it is renewed. BOSTIK's right to amend the products in accordance with technical developments is reserved. In cases concerning the safety of the products, the material safety data sheet (SDS) containing this information should be consulted.