

DATA Sheet



FLEXIPOINT

USES

FLEXIPOINT is a pre-packaged, polymer modified, cementitious mortar for the rapid pointing of brick, stone, tile and other types of masonry. It is available in a range of shades which are designed to maintain their colour-fastness.

ADVANTAGES

EASY OF USE:	Materials are pre-packaged and only require mixing with clean water on-site to give a mortar for rapid application by gun or trowel.
LOW SHRINKAGE:	Does not pull away from masonry and ensures a weatherproof joint.
THIXOTROPIC:	Enables complete filling and easy finishing of joints without slumping.
WATERPROOF:	Contains metakaolin and water repellents to prevent ingress of water.
DURABLE:	Polymer modification enhances adhesion and structural strength yet allows a degree of flexibility to accommodate movement within the structure.
COST EFFECTIVE:	Gun application increases output and efficiency enabling significant cost savings. Part bags can be mixed.

PRODUCT DESCRIPTION

FLEXIPOINT is a single component, cement based material incorporating the latest polymer and metakaolin technology which when mixed with water produces a pointing mortar for rapid application by gun or trowel. The aggregates have been specially selected and graded to allow smooth application and prevent segregation and locking under pressure whilst giving a high quality finish. It cures to form a durable, waterproof joint with enhanced polymeric properties which allows a degree of movement within the structure. It is available in a range of shades upon special request, which maintain their colour-fastness by utilising stable pigments and incorporating metakaolin to reduce efflorescence.

TECHNICAL DATA

Basis:	Polymer modified cementitious mortar.
Colour:	Portland, Wreake Stone and Yorkstone.
Joint Widths:	3mm-50mm.
Joint Depth:	5mm-25mm.
Mixed Density:	1950kg/m ³ at 16% water addition.
Application Temp:	5-35°C.
Working Life:	Approx. 90 minutes at 20°C.

MECHANICAL CHARACTERISTICS (TYPICAL)

Compressive Strength: BS 4551 at 20°C.

1 day	5N/mm ² .
7 days	10N/mm ² .
28 days	15N/mm ² .

Flexural Strength: BS 4551.

28 days	4N/mm ² at 20°C.
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APPLICATION DATA

Application Guide available on request.

PREPARATION

All defective, cracked or unsound mortar should be cut out to a minimum depth of 5mm taking care to ensure that any loose or friable material is removed. The surfaces to be treated must be free from all unsound material i.e. dust, oil, grease and organic growth. Use **FLEXCRETE DEGREASANT**, **FLEXCRETE ACID CLEANER** or **BIOWASH** where necessary. Consult individual Data Sheet before use.

Flush all joints with clean water ensuring all surfaces are saturated without any standing water.

MIXING

FLEXIPOINT should be mechanically mixed using a forced action pan mixer or in a clean drum using a slow speed drill and paddle. A normal concrete mixer is NOT suitable.

For normal applications use 4.0 litres of clean water per 25kg bag which is equivalent to 16% by weight of powder. For part bags, this equates to 4.0-4.5 volumes of powder to one volume of water. Always add powder to water. Normal mixing time depends upon the type of mixer used; 2 minutes is average. Mix so as to entrain as little air as possible. Use without delay.

PLACING

FLEXIPOINT can be applied by tuck-pointing trowel, trowel or pointing gun for rapid placement. Firstly fill vertical joints, starting from the bottom and completing an area of approximately 1 square metre, prior to the treatment of the horizontal joints. Allow mortar to stiffen and lose its sheen before tooling off to give the required profile. Excess mortar should be brushed from the surface of the masonry. Raised or raked/struck pointing details are not recommended as this can allow water to penetrate the brick or stonework resulting in frost damage or the formation of moss or algae.

Re-temper the material if necessary to ensure the required consistency is maintained.

When filling joints in multiple layers ensure previous layers are stable but not fully set prior to the application of subsequent layers.

CURING

Normal concreting procedures should be strictly adhered to. It is important that the surface of the mortar is protected from strong sunlight and drying winds with polythene sheeting, damp hessian or similar.

CLEANING

All tools should be cleaned with water immediately after use.

SHELF LIFE

12 months in dry frost free conditions with unopened containers at 20°C.

PACKAGING AND COVERAGE

Pack size: 25kg.
Yield: 15 litres per 25kg pack.
Coverage: A 25kg pack will fill 150 linear metres of 10mm x 10mm joint.
i.e. a 25kg bag is sufficient to treat 8.7m² of brickwork with 10x10mm joints.

PACKAGING AND COVERAGE

Safety Data Sheet available on request.

12/06



Flexcrete Technologies Limited

Tomlinson Road • Leyland • Lancashire
• PR25 2DY • England

Tel: +44 (0) 845 260 7005 • **Fax:** +44 (0) 845 260 7006

e-mail: info@flexcrete.com

www.flexcrete.com

