TECHNICAL DATA 3.2.14 Revision Date 10/2002

SBR MORTAR

Product codes
TP01, packaging listed overleaf.

Description
SBR Mortar is a Portland cement based two component product comprising a fibre reinforced powder mix and a modified styrene butadiene latex gauging liquid.

SBR Mortar can be used in repairs carried out vertically and overhead. The repair mortar enables a fine fair faced finish to be achieved and will give protection to exposed reinforcing steel. SBR Mortar complies with the proposed Materials for the Repair of Concrete Highway Structures BD 27/86.

Uses Include:

Thick section repairs.
Concrete beams & columns.
Wall sections.
Stone fascias.
Balustrades.
Blockwork.

Typical Mortar Properties @ 20°C

Compressive Strength

1 Day	7 Days	28 Days
9.0 N/mm^2	16.7 N/mm^2	22.5 N/mm^2

Density: 1380 kg/m^3
Coefficient of Thermal Expansion: 8-10 x 10^{-6}/°C
Useable Life: 60 minutes
Flexural: 7.5 N/mm² @28 days
Chloride Ion: 0.002%

Standards
SBR Mortar has been tested in accordance with the appropriate parts of the following standards: B.S. 4551

Specification Outline
Concrete repairs shall be carried out using SBR Mortar as manufactured by Tecroc Products Ltd. The product must be stored, handled and used strictly in accordance with the manufacturer's instructions.

Quality Assurance
Tecroc products Ltd is a firm of Assessed Capability. The Company's quality system conforms to BS EN 9002;1994 and is assessed by SGS Yarsley International Certification Services Ltd.

Instructions For Use

Preparation
Remove all loose material, plaster, paint and oily deposits to produce a sound clean surface. Roughen smooth concrete to give a good mechanical key. Cut back repair edges to avoid feather edging. Expose reinforcing steel two thirds of its circumference in a sound concrete background Totally expose steel in areas where concrete repairs are deeper than the steel embedment depth. Clean back corroded reinforcing steel to bright metal. Protect cleaned steel with Steel Primer.

Priming
To prime the prepared concrete surface and reinforcing steel use a slurry formed from a mix of:
SBR Mortar powder : One part by volume
SBR Mortar gauging liquid : One part by volume
Mix the slurry primer in a suitable mixing vessel using a slow speed drill and Mortar Mixer. Do not mix more than can be applied within the usable time, 45 minutes at 20°C. Apply mortar before the priming coat has dried.

Mixing
SBR Mortar is supplied as 17.5kg of powder mix and 5 litres of gauging liquid. The mixing proportions to produce rendering and repair mortar are:
Rendering 4.75 parts by volume powder to 1.0 part by volume gauging liquid
Repair Mortar 6.00 parts by volume powder to 1.0 part by volume gauging liquid

Pour the gauging liquid into a suitable mixing vessel and slowly add the powder to the liquid whilst continuously mixing. Mix using either a slow speed drill with a Mortar Mixer or a forced action mixer such as Cretangle or Pennine. Continue mixing for three minutes after all the powder has been added.

Head Office
Holly Lane Industrial Estate
Atherstone
Warwickshire
CV9 2RN
Tel: 01827 711755
Fax: 01827 711330

Northern Regional Office
Unit 2 Shawcross Court
Shawcross Business Park
Dewsbury
West Yorkshire. WF12 7RF
Tel: 01924 485548
Fax: 01924 488662

Web site: www.tecroc.co.uk **E-mail: enquiries@tecroc.co.uk**

SBR MORTAR

Instructions For Use

Placing

Apply the SBR Mortar firmly into the repair area. It may be necessary to use a gloved hand to place and compact the mortar behind reinforcing steel and into narrow corners and edges. Initially finish the surface with a wooden/plastic trowel. Allow the mortar to stiffen then finish finally with a dampened steel trowel.
Application thickness may range from 10mm to 50mm
in a single layer vertically and 10mm to 30mm overhead. In situations where thicker layers are required to be built up, the surface of the under layer should be left with a wood float finish and should be scored. Subsequent primer and mortar layers may be applied as soon as the initial layer is firm enough not to distort under the new work.
SBR Mortar may be applied at temperatures between 5°C and 45°C. For application at temperatures outside this range contact The Technical Service Department.

Curing

Curing should be undertaken in accordance with good concrete practice. The curing regime should be applied as soon as finishing is complete. For large areas, as each half square metre is completed curing should be started. Suitable methods of curing include water spray, polythene sheeting and spray applied concrete curing membrane.

Precautions

Health and Safety

SBR Mortar is alkaline when mixed with water and should not come into contact with skin or eyes. Avoid inhalation of dust during mixing and wear safety glasses, dust mask and gloves. If skin contact occurs wash thoroughly with clean water. Should eye contact occur rinse immediately with plenty of clean water and seek medical advice.
Full health and safety data is given in Product Safety Data Sheet.

Fire

SBR Mortar is non-flammable

Yield

SBR Mortar powder is packed in 22.5kg combined units each unit will yield is approximately 14.0 litres of mixed material.

Storage And Shelf Life

SBR Mortar will have a shelf life of 12 months when kept in dry conditions at a temperature of 5°C to 45°C. Storage at higher temperatures and high humidity may reduce the shelf life.

Packaging And Ordering

SBR Mortar is supplied in:
22.5kg Combined Units Product Code TP01

For further information and sales please contact your local Tecroc Products office as listed below.

Head Office
Holly Lane Industrial Estate
Atherstone
Warwickshire
CV9 2RN
Tel: 01827 711755
Fax: 01827 711330

Northern Regional Office
Unit 2 Shawcross Court
Shawcross Business Park
Dewsbury
West Yorkshire. WF12 7RF
Tel: 01924 485548
Fax: 01924 488662

Web site: www.tecroc.co.uk **E-mail: enquiries@tecroc.co.uk**