

SpECcoat BC121

HIGH STRENGTH, NON-FLOW, EPOXY BEDDING AND REPAIR MORTAR

DESCRIPTION

SpECcoat BC121 is a non-slumping epoxy bedding compound and adhesive. It is a two-component epoxy based mortar filled with selected fine aggregate. It is a fast curing material, ideal for a variety of bedding, gap filling and concrete repair applications.

SpECcoat BC121 is a stiff but easily workable compound that can be applied by either trowel, spatula or knife. It cures to give excellent mechanical properties, typical of epoxy compounds. It is resistant to oils, greases, petroleum, salts, many acids and alkalis and most common corrosive chemicals. It does not shrink on curing and is designed to be used when cured from below freezing point to 60°C. Its impact resistance and mechanical strength is greater than that of concrete.

TYPICAL USES

SpECcoat BC121 is designed for surface repairs of fine cracks and spalls. For gap filling, grouting, bedding fixtures etc. For repair to arises without the use of formwork. The product should be used to fill defects prior to overcoating with **SpECcoat** or **SpECTop** products.

SpECcoat BC121 can be used in a range of applications such as:

- Bedding bridge beams or steel bridge bearings
- Repairing surface defects or honeycombing of concrete in horizontal, vertical or overhead situations
- Fixing slip bricks to concrete
- Securing bolts into walls
- Dowel bars anchoring
- As a gap filling adhesive
- Filling bolt pockets
- Repairing concrete posts in-situ
- Fixing of surface ports for crack injection

ADVANTAGES

- Non-slump
- Strong adhesion
- Impact resistant
- Non-shrink
- Trowels to a smooth finish
- Easy to use
- Supplied in pre-weighed units
- No bonding agent or primer required

TECHNICAL DATA

TYPICAL VALUES @ 20±3°C

Typical test data

Colour	Grey
Specific gravity	1.75±0.05
Compressive strength	45±5 N/mm @ 7 days
Bond strength	Greater than the cohesive strength of concrete
Pot life	60±5 mins
Tack free time	8±2 hrs
Full cure	7 days @ 25°C

APPLICATION

Preparation

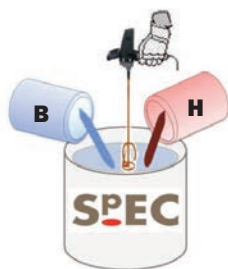
All loose particles, laitance, dust and grease etc., must be removed prior to the application of **SpECcoat BC121**.

Mixing

SpECcoat BC121 is supplied in a two-component kit consisting of a base component and a curing agent.



1. The product may be proportioned by volume for small repairs at a ratio of 1:1 and not suitable to use for large area.



2. Full pack mixing - both base and hardener units should be emptied into a suitable mixing vessel and mixed, either by hand, using trowel or using a slow speed drill and paddle.

Application

Knife or trowel, **SpECcoat BC121** to the required level. Where a very deep recess is to be filled, it may be necessary to build up in layers.

EQUIPMENT CLEANING

Tools and equipment should be cleaned immediately using **SpECTop Cleaning Fluid**.

PACKAGING & YIELD

SpECcoat BC121 is supplied in 3 kg packs.

TEMPERATURE OF APPLIED MATERIAL

SpECcoat BC121 will cure at temperatures as low as 5 °C, although at low temperatures cure is retarded.

STORAGE & SHELF LIFE

SpECcoat BC121 has a shelf life of 6 months when stored under cover out of direct sunlight and protected from extremes of temperature. Failure to comply with recommended storage conditions may result in premature deterioration of the product or packaging.

HEALTH & SAFETY

SpECcoat BC121 and **SpECTop Cleaning Fluid** should not come into 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. For further information refer to the material safety data sheet.

FLAMMABILITY

SpECcoat BC121 is non-flammable.

FLASH POINT

SpECcoat BC121	>150 °C
SpECTop Cleaning Fluid	>40 °C

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Whilst the information and/or specifications given are, to the best of our knowledge, true and accurate, no warranty is given or implied in connection with any recommendations or suggestions made by us, our representatives, agents or distributors as the conditions of use and labour involved are beyond our control.

If it is proven that the product does not perform as described in our TDS, SpEC's liability extends solely to the free replacement of product, once the claim has been accepted after due investigation by SpEC. SpEC will not entertain any claims involving any form of consequential costs or damages such as shipping costs, custom duties, damages to third parties, damages to structures, penalties from delay of a project or any other form of consequential damage.

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