

SpECcoat BC

HIGH BUILD EPOXY RESIN BEDDING COMPOUND AND SKIM COAT

DESCRIPTION

SpECcoat BC is a two-pack, solvent-free, thixotropic epoxy resin paste. The product produces a smooth layer suitable to receive further epoxy coatings or maybe used as a bedding layer for pre-cast concrete units.

TYPICAL USES

SpECcoat BC is designed to fill blow holes and repair surface defects in concrete prior to the application of epoxy coatings.

SpECcoat BC may also be used as a bedding compound for pre-cast concrete elements including bridge beams, concrete kerbs and anchor bolts. Other uses include bedding slip bricks and the installation of starter bars in concrete.

ADVANTAGES

- Non-slump and non-shrink
- Easy to use
- Chemically resistant to a wide range of common chemicals
- Trowels to a smooth finish

TECHNICAL DATA

Specific Gravity	1.74 @ 20 °C
Volume solids	100%
Compressive strength	70N/mm ² @ 7 days
Pot life	
20 °C	8 hours
35 °C	4 hours

APPLICATION

Preparation

It is essential that adequate preparation is carried out prior to the application of **SpECcoat BC**. All steel substrates should be sound and free from loose or flaking material. Grit blasting is required to produce a surface exhibiting bright metal finish and should be free of all contaminants.

Concrete surfaces must be fully cured and free from laitance, mould oil and curing compounds.

Mixing

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



The contents of the base can must be stirred thoroughly. The total contents of the hardener can should be added to the base container taking care to scrape the sides

of the can. Mechanical mixing must be used incorporating a suitable mixing paddle attached to a heavy duty, slow speed drill.

Mixing paddles are available from **Speciality Engineering Chemicals** on request.

The mixed material may be applied by a variety of tools such as trowels, scrapers, filling knives and squeegee.

EQUIPMENT CLEANING

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

Cured material can only be removed by mechanical means.

PACKAGING AND YIELD

SpECcoat BC is supplied in 3 and 5 kg packs which yield around 1.7 and 2.9 litres respectively of mixed product.

Theoretical coverage 1.74kg/m² at
1mm thickness

N.B. Due to wastage factors and the varied nature of substrates, actual coverage rates may be significantly reduced.

APPLICATION TEMPERATURE RANGE

Minimum 5 °C
Maximum 35 °C

At temperatures above this range the material should be stored in air-conditioned storage.

STORAGE AND SHELF LIFE

SpECcoat BC has a shelf life of 6 months when stored in original containers in a cool dry environment. At temperatures above 35 °C the pot life will be reduced.

HEALTH AND SAFETY

SpECcoat BC and SpECtop Cleaning Fluid should not come into contact with eyes or skin or be ingested.

When using **SpECtop Cleaning Fluid** ensure adequate ventilation and avoid inhalation of vapour. Wear adequate protective clothing including gloves and eye protection.

If contact with skin occurs, rinse with water then clean using soap and water.

If eye contact occurs, rinse with copious amounts of water and seek medical assistance.

If swallowed, DO NOT induce vomiting. Seek medical attention immediately.

FLAMMABILITY

SpECcoat BC is non-flammable.

FLASH POINT

SpECcoat BC >150 °C
SpECtop Cleaning Fluid >40 °C

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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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