



SpECgrout PC

MULTI-PURPOSE, EPOXY RESIN GROUT FOR PILE CAP WATERPROOFING

DESCRIPTION

SpECgrout PC, solvent free epoxy resin grout is designed for levelling and waterproofing pile caps at depths between 20-80mm. It is supplied as a three component system consisting of epoxy base, epoxy hardener and specially graded aggregate. The components are supplied in the correct mix proportions designed for whole pack mixing on site and no other materials should be added.

TYPICAL USES

- For free flow grouting where the mechanical properties, low permeability and chemical resistance of the hardened grout are required
- Pile cap waterproofing

ADVANTAGES

- High flexural strength and adhesion to substrate ensures excellent performance
- High compressive, flexural and tensile strengths ensure durability and long term service life
- Very low permeability ensures integrity as part of a waterproofing system

TECHNICAL DATA

Typical properties

Compressive strength @ 35°C

(BS 6319 part 2)

7 days 87 N/mm²

Tensile strength @ 35°C

(BS 6319 part 7)

7 days 13 N/mm²

Flexural strength @ 35°C

(BS 6319 part 3)

7 days 26 N/mm²

Pot life

20°C 60 mins

30°C 30 mins

40°C 15 mins

APPLICATION INSTRUCTIONS

Preparation

Pile Caps

Concrete must be free from oil, grease, or any loosely adherent material. If the concrete surface is defective or has laitance, it must be cut back to a sound base.

Mixing

The entire contents of the hardener should be poured into the base container and mixed until homogeneous. Place the mixed base and hardener into a suitable forced action mixer making sure that the entire volume is poured in. Add the aggregate and mix for 2-3 minutes or until uniform colour is achieved.

Placing

Place the grout within the pot life of the material. After this time, unused material will have stiffened and should be discarded.

Smooth to level using a steel trowel or screed bar.

EQUIPMENT CLEANING

All tools and equipment should be cleaned with **SpECcoat Cleaning Fluid**.

PACKAGING AND YIELD

SpECgrout PC is supplied in 12 litre units.

SpECcoat Cleaning Fluid is supplied in 5 litre units.

STORAGE AND SHELF LIFE

SpECgrout PC has a shelf life of 12 months when stored in unopened containers in a cool dry environment.

HEALTH AND SAFETY

Do not use solvent. The use of goggles is recommended but should accidental eye

contamination occur, wash thoroughly with plenty of clean water and seek medical attention immediately.

FLASH POINT

SpECcoat Cleaning Fluid

>40°C

FLAMMABILITY

SpECcoat Cleaning Fluid is flammable. No smoking. Use in well ventilated areas away from sources of heat and naked flames.

Issue 3: 11/2013

QA-054

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.

SPECIALITY ENGINEERING CHEMICALS

PO Box 61347, Dubai, United Arab Emirates. Telephone: +971 4 883 6662, Fax: +971 4 883 7696

E-mail: info@spec.ae

www.spec.ws