

SpECgrout E60

FILLED EPOXY RESIN GROUT

DESCRIPTION

SpECgrout E60 is a solvent free epoxy based grout designed for gap thicknesses from 12 to 150mm.

TYPICAL USES

SpECgrout E60 is a free-flow grout for use in situations where high dynamic loading is anticipated. It is suitable as a bedding layer for mechanical joint system.

ADVANTAGES

- Resistant to dynamic loading
- Non-shrink ensuring maximum contact area
- High compressive, tensile and flexural strengths
- High strength
- Early strength gain
- Chemically resistant

TECHNICAL DATA

Test method for Typical results @ 20°C ±3

Compressive strength (BS 6319 Part 2)

| | |
|--------|----------------------|
| 3 days | 65 N/mm ² |
| 7 days | 95 N/mm ² |

Tensile strength (BS 6319 Part 1)

| | |
|----------|----------------------|
| @ 7 days | 16 N/mm ² |
|----------|----------------------|

Flexural strength (BS 6319 Part 3)

| | |
|----------|----------------------|
| @ 7 days | 36 N/mm ² |
|----------|----------------------|

Pot life

| | |
|------|----------|
| 20°C | 100 mins |
| 30°C | 50 mins |
| 40°C | 25 mins |

CHEMICAL RESISTANCE

SpECgrout E60 are resistant to mild acids, alkalis, sea water, oil, greases, fresh and sea water and most common chemicals.

APPLICATION INSTRUCTIONS

Preparation

All substrates should be sound and free from oils and greases and must be dry. Concrete surfaces must be scabbled or grit blasted to a sound base. Dust and debris must be removed.

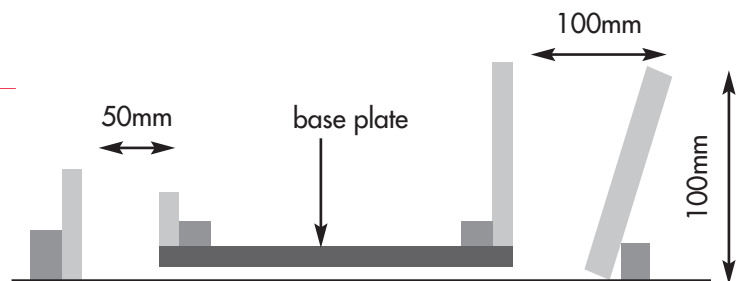
Steel surfaces, particularly the underside of base plates, should be grit blasted to clean bright metal.

Baseplate Grouting

Formwork

Formwork must be constructed which is leak proof and be similar to that shown in the sketch below:

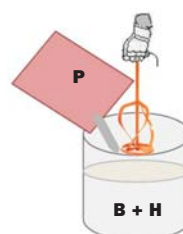
For successful grouting it is essential to provide a hydrostatic head of grout. To achieve this a feeding hopper system should be used similar to that shown in the sketch below:



Cross section of typical grouting formwork

Mixing

SpECgrout E60 is supplied in a three-component pack consisting of one tin of resin, one tin of hardener and one bag of specially selected fillers.



the base and hardener should be first mixed together in a 25 litre steel container and the powder component added slowly while mixing with a slow speed drill and paddle.

Complete mixing will take at least 3 minutes.

Placing

The mixed material should be poured at a uniform rate into the hopper end of the formwork only. Pouring should be continuous to avoid entrapment of air.

Good planning is essential to ensure sufficient material is available to complete the pour.

A guide on typical flow distances for **SpECgrout E60** using a 100mm head is provided below:

| Temperature °C | Gap (mm) | Maximum Flow (mm) |
|-------------------|-------------|----------------------|
| 10 | 25 | 800 |
| 20 | 25 | 2000 |
| 30 | 25 | 3000 |

EQUIPMENT CLEANING

SpECgrout E60 should be cleaned from tools and mixing equipment using **SpECcoat Cleaning Fluid**.

PACKAGING AND YIELD

SpECgrout E60 is supplied in 12 litre units.

STORAGE AND SHELF LIFE

SpECgrout E60 has a shelf life of 12 months when stored in original containers in a cool dry environments at 20°C.

HEALTH AND SAFETY

Contact with skin and eyes should be avoided when using **SpECgrout E60** grouts. Inhalation of vapours should be avoided.

Wear gloves, goggles and eye and face protection.

Eye Contact rinse with copious amounts of clean water and seek medical attention.

Skin Contact rinse with copious amounts of clean water followed by thorough cleaning with soap and water.

Ingestion seek immediate medical attention.

DO NOT INDUCE VOMITING

FLAMMABILITY

SpECgrout E60 is not flammable.

FLASH POINT

SpECgrout E60 >150 °C

SpECcoat Cleaning Fluid 34 °C

Issue 3E: 07/2017

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.ae