

PRODUCT DESCRIPTION

TERRACO TERRAROC NS 100 is a general purpose non-shrink cementitious grout designed for narrow void grouting, flow screeds and anchoring of a wide variety of fixings. Its non-shrink and free flowing properties are ideally suited for ramming, pumping or pouring. The simple addition of a required amount of water determines its wide range of applications. Due to its early strength development it allows for quick return to service of grouted areas.

PROPERTIES & BENEFITS

TERRACO TERRAROC NS 100 is a pre-mixed blend of graded silica, Portland cement and additives with the following properties:

- Early strength development.
- Non-shrink.
- Can be poured or pumped.
- High compressive strength.
- Chloride free.
- Extensive workability.

AREAS OF USE

TERRACO TERRAROC NS 100 is designed for use in the following areas:

- Narrowing void grouting (flowable state).
- Grouting of anchor bolts and manholes.
- Installation of fencing or boundary posts.
- Where grouting of between 10 to 100mm is required (refer to bulking procedure).
- Concrete floor repairs and screeds.
- Machine and pump plinths.

SURFACE PREPARATION

Ensure that all dust, dirt and foreign matter are brushed and scraped away. Also ensure the surfaces are free from salts, oil, grease and ridges, and protect all adjacent surfaces not to be covered.

This must be removed either chemically or mechanically. The surface where TERRACO TERRAROC NS 100 is to be applied must be saturated with water for not less than 2 hours prior to application. Alternatively TERRACO TERRABOND 'A' or an epoxy primer (TERRACO EPIROK EP 1) must be applied to the substrate and the TERRACO TERRAROC NS 100 placed whilst primer is still wet.

MIXING INSTRUCTIONS

Place 3.5 Litres of cold water (25°C) in the mixing vessel. Empty entire contents of 25kg bag TERRACO TERRAROC NS 100 into the water whilst mixing with a mechanical mixer. Add additional 500ml water (maximum) to mixture to desired consistency. Mix for 5 minutes and then place or pump.

SPECIFICATION

- Ensure adequate labour is at hand to have continuous mixing and placing of TERRACO TERRAROC NS 100.
- Remove excess water from substrate if saturated with water, if temperature is above 33°C place grout immediately after mixing.
- When grout is partially set, trim edges and float to desired finish.

Bulking of TERRACO TERRAROC NS 100 for floor screeds:

- a) TERRACO TERRAROC NS 100 can be bulked using clean silica sand (0.6 – 1.2mm) at a mixing ratio of 1:1 where screeds of between 20 – 50mm are required.
- b) For screeds above 50mm, TERRACO TERRAROC NS 100 can be bulked with clean 10mm graded stone at the ratio of 1:1.
- c) The stone size should never exceed one third of final thickness of floor.
- d) When bulking with silica aggregate or stone the quantity of water required will be between 9% and 10% (4.5 – 5.0 L per 50 kg mix).

CURING

Keep surface damp and covered with plastic sheeting or damp hessian cloth. The surface can also be kept damp with a fine water spray. The curing must be continuous for 3 days. Care must be taken where grout is covered by hessian cloth or plastic, ensure that these surfaces are kept damp. On exposed vertical surfaces a curing compound can be applied.

HEALTH & SAFETY

Refer to the relevant Material Safety Data Sheet.

PACKAGING & STORAGE

TERRACO TERRAROC NS 100 is supplied in 25kg paper bags.

Product should be stored in a clean, dry area, protected from direct sunlight and extreme heat and cold. Unopened containers can be stored for 12 months. Use oldest material first.

TECHNICAL DATA

Product	Pre-mixed blend of graded silica, Portland cement and additives.	
Binder	Hydraulic.	
Colours	Grey	
Setting Time	Initial setting time: 300 minutes. Final setting time: 480 minutes.	BS EN 196-3-95 BS EN 196-3-95
Compressive Strength	25 N/mm ² @ 1 day. 53.5 N/mm ² @ 7 days. 64.5 N/mm ² @ 28 days.	BS 1881 part 116:1983 BS 1881 part 116:1983 BS 1881 part 116:1983
Flexural Strength	7.3 N/mm ² @ 7 days. 8.9 N/mm ² @ 28 days.	BS 4551 part 1:1998 BS 4551 part 1:1998
Wet Density	2320 kg/m ³ (80 Bags TERRACO TERRAROC NS 100 mixed will yield 1 m ³).	
Expansion Characteristics	Controlled expansion will occur in the unset material to ensure that the grout, when cured, will continue to occupy its original volume within the confines of the void in which it was placed. ASTM 940	
Material Consumption	One bag (25kg) of TERRACO TERRAROC NS 100 mixed with water will yield 12 litres.	
Packaging	25kg paper bags.	
Storage	12 months in original unopened containers.	

For technical enquiries please contact your nearest Terraco representative:

UAE:

Terraco UAE Ltd
Tel: +971 (0)4 285 0999
Fax: +971 (0)4 285 2299
E-mail: terraco@terraco.ae

RUSSIA:

OOO Terraco Sweden Ltd, Russia
Tel: +7 095 101 2237
Fax: +7 095 927 3881
E-mail: terraco@online.ru
Web: www.terraco.ru

OOO Terraco Vostok Ltd

Tel: +7 (0)4212 431 933
Fax: +7 (0)4212 431 977
E-mail: terracoVostok@terraco.khn.ru

TURKEY:

Terraco Yapi Malzemeleri Sanayi Ve Ticaret AS
Tel: +90 (0)222 236 0423
Fax: +90 (0)222 236 0425
E-mail: terraco@terraco.com.tr
Web: www.terraco.com.tr

JORDAN:

Jordan Swedish Polymers Industrial Corp.
Tel: +962 (0)6 552 7140, 553 0229, 551 4037
Fax: +962 (0)6 553 6560
E-mail: terraco@nol.com.jo
Web: www.terraco.jo

EGYPT:

Terraco Egypt Chemical Industries S.A.E.
Tel: +20 (0)2 8340 004, 832 3584
Fax: +20 (0)2 8340 004, 832 3584
E-mail: terraco@terraco.com.eg

CHINA:

Terraco Architectural Coatings China Co., Ltd.
Tel: +86 (0)20 8758 2600,
Fax: +86 (0)20 8526 8056
E-mail: sales@terraco.com.cn
Web: www.terraco.com.cn

Terraco Chemical (Shanghai) Co., Ltd.

Tel: +86 (0)21 6210 2048
Fax: +86 (0)21 6252 0547
Email: sales@terraco.com.cn

THAILAND:

Terraco Industry (Thailand) Limited
Tel: +66 (0)2 948 5558
Fax: +66 (0)2 948 5540
E-mail: terraco@terraco.co.th

VIETNAM:

Terraco Vietnam Co., Ltd
Tel: +84 (0)650 820100
Fax: +84 (0)650 820101
E-mail: terraco_vietnam@hcm.vnn.vn

SOUTH KOREA:

Terraco Korea Co., Ltd
Tel: +82 (0)43 645 8814
Fax: +82 (0)43 643 9429
E-Mail: terraco@terraco.co.kr
Web: www.terraco.co.kr

IRELAND:

Terraco Technical Centre, Ireland
Tel: +353 (0) 404 66555
Fax: +353 (0) 404 66654
E-mail: terraco@eircom.net
Web: www.terraco.com

