

OVERVIEW

Terraroc PMR is a high strength structural repair mortar which is suitable for use for repairing all types of concrete. Terraroc PMR is polymer modified to ensure excellent adhesion. Terraroc PMR is shrinkage compensated and is suitable for repairs up to 50mm on vertical surfaces and 30mm on overhead situations. Terraroc PMR is suitable for spray application.

PROPERTIES

Terraroc PMR is a pre-mixed blend of special cements, plasticizers, polymers and shrinkage compensating additives with the following properties:

- Ready to use
- Shrinkage compensated
- Factory controlled mix design
- Extra high strength
- Excellent adhesion

AREAS OF USE

Terraroc PMR is designed for use as part of the Terraco concrete repair system and is recommended for high-build repair work up to 50mm vertically and 30mm overhead, in a single application.

PREPARATION OF SURFACE

Do not apply at temperatures below 5°C. Remove all defective concrete back to the reinforcements, treat reinforcements with Epiprime ZR (see separate data sheet). Avoid feather edging. The repair area should be a minimum depth of 10mm. Thoroughly wet the surface with water and apply a coat of Terrabond A by scrubbing it well into the surface. Allow it to become tacky before applying the Terraroc PMR.

MIXING

Ensure that the mixing water is constant for each bag of compound (3.75ltr water/25kg Terraroc PMR). A mechanical mixer is necessary to ensure consistency of the final mix. Add the powder to the water and mix continuously for 3 to 5 minutes.

APPLICATION & CLEANING OF TOOLS

Apply to the prepared substrate by trowel ensuring that it is well compacted onto the primed surface/reinforcements. Build up in layers until the desired thickness is achieved. Where very thick sections are required allow the initial layer of Terraroc PMR to set, scratch the surface to provide a mechanical key and prime with Terrabond A before applying the final layer of Terraroc PMR. Finish using a steel float. Terraroc PMR should not be applied in layers less than 10mm.

Clean tools and equipment with water after use.

CURING

Terraroc PMR should be cured immediately after troweling is finished by applying Terrabond A to the surface. In harsh conditions the supplementary use of hessian or polythene must be used to ensure proper curing.

HEALTH & SAFETY

Avoid prolonged contact with eyes and skin. For detailed information refer to relevant material safety data sheet.

PACKAGING & STORAGE

Terraroc PMR is packed in 25kg valve craft bags.

Terraroc PMR should be stored in a clean dry area protected from direct sunlight and extreme heat and cold. The pallets can be stacked two high provided care is taken. Opened sacks should be used first. Unopened sacks can be stored for 6 months. Use oldest material first.

TERRACO offers a comprehensive range of products and services for most concrete and finishing needs. Please contact the TERRACO Technical Service Department or your local TERRACO agent for further information, samples, demonstrations and instructor services. The information given in this leaflet is based upon laboratory research, as well as extensive field work and application. All products are sold subject to standard conditions of sale which are available on request. This information is based on TERRACO's present state of knowledge and is intended to provide general information on TERRACO's products and their methods of use. The prospective user is recommended to determine the suitability of TERRACO's suggestions and products before adopting them on a commercial scale.

TECHNICAL DATA

Product	High strength structural repair mortar.
Binder	Hydraulic/organic.
Colours	Grey.
Compressive Strength	45 N/mm ² (7 days), 55 N/mm ² (28 days).
Flexural Strength	10 N/mm ² (28 days).
Tensile Adhesion	1.62 N/mm ² Con A 1.64 N/mm ² Con B 2.00 N/mm ² Con C
Set Time	3 hours (initial), 5 hours (final).
Wet Density	2000 kg/m ³
Water Demand	15% (3.75 ltr water/25kg bag).
Application Thickness	50mm (vertical), 30mm (overhead).
Yield	25kg of powder + 4.5ltr of water gives 14ltr mix.
Consumption Rate	1.9kg/m ² /mm thickness
Packaging	25kg valve craft bags.
Storage	6 months in original unopened container.

For technical enquiries please contact your nearest Terraco representative:

CHINA:

Terraco Architectural Coatings China Co., Ltd.
Tel: +86 (0)20 8759 4742
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 621020 48 / 18
Fax: +86 (0)21 625205 47
Email: sales@terraco.com.cn
Web: www.terraco.com.cn

EGYPT:

Terraco Egypt Chemical Industries S.A.E.
Tel: +20 (0)22 29184 53 / 57 / 58
Fax: +20 (0)22 29184 80
E-mail: terraco@terraco.com.eg
Web: www.terraco.com.eg

JORDAN:

Jordan Swedish Polymers Industrial Corp.
Tel: +962 (0)6 553 8751
Fax: +962 (0)6 553 6560
E-mail: terraco@nol.com.jo
Web: www.terraco.jo

IRELAND:

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

PAKISTAN:

Terraco Pakistan Pvt. Ltd.
Tel: +92 (0)42 3529 70 56-8
Fax: +92 (0)42 3529 70 55
Email: terraco@terraco.pk
Web: www.terraco.com

ROMANIA:

Terraco Romania SRL
Tel: +40 (0)749 203 133
Fax: +40 (0)318 148 810
E-mail: ahaque@terraco.com
Web: www.terraco.com

RUSSIA:

OOO Terraco Sweden Ltd, Russia
Tel: +7 (0)495 9212 237
Fax: +7 (0)495 6273 881
E-mail: adm@terraco.ru
Web: www.terraco.ru

OOO Terraco Vostok Ltd

Tel: +7 (0)4212 410563
Fax: +7 (0)4212 410591
E-mail: terracovostok@terrakokhv.ru
Web: www.terraco.com

SOUTH KOREA:

Terraco Korea Co., Ltd
Tel: +82 (0) 2 5611 551
Fax: +82 (0)2 5671 771
E-mail: terraco@terraco.co.kr
Web: www.terraco.co.kr

THAILAND:

Terraco Industry (Thailand) Limited
Tel: +66 (0)2 946 68 56 / 58
Fax: +66 (0)2 946 68 59
E-mail: terraco@terraco.co.th
Web: www.terraco.com

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

UAE:

Terraco UAE Ltd
Tel: +971 (0)4 326 2699
Fax: +971 (0)4 326 2733
E-mail: terraco@terraco.ae
Web: www.terraco.com

UK:

ADDAGRIP
Tel: +44 (0)1825 761 333
Fax: +44 (0)1825 768 566
E-mail: sales@addagrip.co.uk
Web: www.addagrip.co.uk / www.terraco.com

VIETNAM:

Terraco Vietnam Co., Ltd
Tel: +84 (0)650 3 820 100
Fax: +84 (0)650 3 820101
E-mail: terraco@terraco.com.vn
Web: www.terraco.com