

OVERVIEW

Maxicrete is a two-component, superior quality, polymer modified cement based, permanently waterproof slurry coating suitable for use in areas with extreme climatic conditions. Maxicrete is especially recommended for waterproofing concrete and masonry substrates such as balconies, terraces, patios and planter boxes.

PRODUCT GRADES/CODES

White	68513
Grey	68613

PROPERTIES

Maxicrete is polymer modified cementitious general purpose waterproof coating, supplied in two components, as a liquid resin and powder to be mixed on site before application.

Maxicrete Resin

Is based on acrylic resins, resistant to alkalinity.

Maxicrete Powder

Based on special hydraulic cements, precisely graded fillers, wetting agents and adhesion promoters.

- Easy to mix and apply
- Application by brush or spray
- Pot life of greater than 2 hours at elevated temperatures
- Excellent adhesion to dimensionally stable concrete/render
- Seamless permanent coating
- Vapour permeable - allows substrate to breath
- Fixed ratio system - no added water
- High UV and weather resistance
- High flexibility
- Non toxic

AREA OF USE

Maxicrete is suitable for waterproofing concrete and masonry substrates general purpose application in the following areas;

- Balconies, terraces and patios
- Concrete and cement fiber planter boxes
- Retaining walls and foundations
- Filling of blow holes / pores in concrete
- Repair of hairline cracks and low build concrete repairs
- Concrete gutters.

SURFACE PREPARATION

Ensure substrates are clean and sound. Remove all existing coatings, cement laitance, unsound honeycombing and spalling concrete by suitable mechanical means. All dust, dirt and loose materials must be thoroughly removed from the areas to be coated. Remove all ridges, sharp projections, flaking material, oils, grease and other bond inhibiting substances. Cracks and surface defects must be made good using suitable Terraco repair products.

Dry or porous substrates must be primed by using Terrobond A (diluted 1:3 with clean water) or by thoroughly saturating with water.

MIXING

It is recommended to mix full kits only.

Place the resin in a clean mixing vessel then slowly add the powder while mixing for at least 3 minutes with a slow speed mixer (200-600 rpm) until the mix is completely homogeneous and lump free. Ensure the blade remains below the surface of the mixture to minimize the entrapment of air and that no powder remains unmixed on the sides and in the corners of the mixing vessel. Leave to stand for at least 5 minutes to release any entrapped air. Mix again for 30 seconds before application. During application ensure occasional stirring to keep the aggregates in suspension.

Notes:

Do not add water to adjust or re-temper the mix. When bulk mixing; only mix required kits of Maxicrete that can be used within its pot life.

APPLICATION & CLEANING OF TOOLS

Maxicrete can be applied by brush, broom or spray equipment. When applying by spray please consult with the local Terraco Technical Department. Apply onto the freshly prepared substrate in 2-3 coats, applying each coat at right angles to each other, to a total thickness of 1.5-2.0 mm. Total consumption is 3.0-4.0 kg/m² (mixed Maxicrete). It is recommended that the total application thickness be 1.5 mm under tiles and 2.0 mm for exposed areas.

Clean tools and equipment with water immediately after use.

CURING & DRYING

Curing and drying times depend on ambient temperatures, atmospheric humidity and thickness of coating. Protect surfaces from wind and direct heat during application and curing. Do not apply in humid conditions > 80%. Maxicrete will be surface dry in less than 3 hours at 30°C. Allow first coat of Maxicrete to dry for minimum 6 hours before over coating. Maxicrete should be left to cure for at least 7 days before water flood testing.

Tiling work should be commencing after minimum 3 days of Maxicrete application.

LIMITATIONS

Do not apply during rising temperatures to avoid the risk of outgassing resulting in pin-holing. Do not apply on bituminous coatings.

HEALTH & SAFETY

Avoid prolonged contact with skin and eyes. For detailed information refer to the latest relevant Product Safety Data Sheet.

PACKAGING & STORAGE & SHELF LIFE

Maxicrete Resin is supplied in 5 kg pails.
Maxicrete Powder is supplied in 15 kg paper bags.
Maxicrete Kit is supplied in 20 kg pails (5 kg resin in a jerry can and 15 kg powder in a paper bag).

When stored in their original sealed packaging in a clean, dry area and protected from high humidity, moisture, direct sunlight and extreme heat and cold, shelf life is at least 12 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

Colour	Grey and natural white.
Specific Gravity	1.86 ± 0.05
pH	11-13
Pot Life at 30°C	2 hours
Overcoat Time at 30°C	6 hours
Adhesion Strength (ASTM D 4541:2002)	>3.0 N/mm ²
Elongation	Up to 5%
Crack Bridging (EN14891:2007)	0.75mm
Reduction in Water Absorption (ASTM D870)	>90% reduction in water absorption
Vapour Permeability SD Value	0.12
VOC	<5 (g/l)
Yield	10.5 litre/pack
Resin : Powder Ratio	1.0 resin : 3.0 powder
Material Consumption	Approximately 3.0-4.0 kg/m ²
Application Thickness	1.5-2.0mm
Coats	2 to 3 (minimum/coat-0.75 and maximum/coat-1.0mm)
Max/Min Application Temperature	5°C to 40°C
Packaging	20kg kit (resin 5kg jerrican and powder 15kg paper bag).
Storage	12 months in original sealed packaging.

For technical enquiries please contact your nearest Terraco representative:

ALGERIA:

SARL Terraco Algeria
Tel: +213 (0)23 23 07 80
Fax: +213 (0)23 23 07 80
E-mail: terraco@terraco.dz
Web: www.terraco.dz

IRELAND:

Terraco Technical Centre, Ireland
Tel: +353 (0) 1 2819 045
Fax: +353 (0) 1 2819 048
E-mail: technical-centre@terraco.com
Web: www.terraco.com

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

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

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

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

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

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

UAE:

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

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

OOO Terraco Vostok Ltd

Tel: +7 (0)4212 410563
Fax: +7 (0)4212 410591
E-mail: terracovostok@terrakovostok.ru
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

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

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

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