



High Quality Preparation Coats and Textured Coatings





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Freeworld Coatings has a well-established footprint in Africa and beyond, and is currently the leading manufacturer of decorative, automotive and industrial coatings in all Southern Africa. Through creative exploration and co-creation with customers and partners, we are setting new standards and finding better ways of doing things.

PIONEERING NEW PARTNERSHIPS.

Freeworld seeks out solutions that add value and, through our iconic Plascon brand, we are developing new partnerships and new possibilities that extend our product repertoire and our reputation for specialist innovation.

Freeworld and Plascon are also focused on creating solutions that demonstrate a commitment to ecologically sound innovation and environmental preservation. Recognising the need for high quality products formulated with an eco-aware approach, we are introducing the Terraco Coating innovations to South African shores.

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WHO IS TERRACO?

Since its inception in 1980, Terraco has become a vibrant innovator in the international finishing materials industry. Through a distributorship alliance, we are harnessing advanced technologies pioneered by Terraco.

Terraco has developed a range of contemporary Scandinavian-style exterior coatings with highly flexible, water-based formulations which are unparalleled in their ageing and weathering characteristics. The value of these coatings lies in the fact that they are designed to last well over a decade.

Terraco compliments the Plascon range of innovative products that have achieved phenomenal success in the building industry through specification driven projects. Like Plascon, Terraco's success is proven. Over the past two to three decades, Terraco has become a finishing brand of choice in the Middle East and Asia, where rapid development has called for cutting edge, cost effective solutions.

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"We are unafraid of doing things differently, and not just for effect. We are guided by the principle of finding a better way to do things. This is what drives us and keeps us open to new ideas."

ANDRÉ J LAMPRECHT, CEO, FREEWORLD COATINGS LIMITED

BLAZING THE ECO-TRAIL.

That's the vital difference. Adherence to an environmental consciousness sets Terraco apart from other premium finishing solutions. In response to stringent international environmental regulations and growing demand for low-VOC and solvent free products, Terraco rings true to the Plascon and Freeworld mission to bring to market products that are both high performance and ecologically sound. Terraco manufactures only water-based coatings, thereby maintaining it's 'green' company ethos.



D PREPARATION COATINGS

A range of skimcoats, renders and waterproofing systems.

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A range of water-based, penetrating primers.

PAGE 09 **PENETRATING PRIMER (clear and white)** PAGE 10 **SILPRIME**

O3 TERRACOVER

A range of ready-mixed, decorative textured coatings in a variety of grain sizes, textures and colours. Available as an acrylic, silicone or elastomeric-based product.

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A range of sealers and specialist acrylics.

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A range of ecologically friendly powders.

PAGE 26/27 TEROL GRANULE BASECOAT

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- ***TEROL SMOOTH BASECOAT**
- ***TEROL SMOOTH FINISHCOAT**
- ***TEROL COARSE BASECOAT**
- ***TEROL COARSE FINISHCOAT**

*DUE FOR LATER RELEASE IN SOUTH AFRICA

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Simcoats, Renders and Waterproofing

HANDYCOAT EXTERIOR TER1100

Handycoat Exterior is a ready-mixed filler for use on all common building surfaces, including timber.

An advanced exterior skimming compound, it is used for the repair and touch up of both new and old surfaces, filling joints, substrate imperfections and hairline cracks. It creates a high quality, even surface for painting.

Unlike conventional fillers Handycoat Exterior creates a crack resistant joint, is permanent and retains its adhesion.

PROPERTIES 2

- ~ Quick-drying
- ~ Ready-mixed paste
- ~ Has excellent flexibility
- ~ Has excellent water resistance

🖄 AREA OF USE

Suitable for interior and exterior surfaces.

When dry, it is weather resistant and bonds extremely well to cementitious materials, gypsum, building boards, plaster, wood, galvanised and anti-rust primed steel surfaces.

Can be used as a full skimcoat, or for patching hairline cracks in walls, ceilings, paintwork, filling holes and defects in woodwork and making good to exposed concrete.

Also used as a crack-resistant jointing compound for building boards.

- ~ Applied by trowel or spatula
- ~ Spread rate: 0.5 1.5kg/m²
- ~ Lightly sand over the dry final surface before painting within 24hrs of application
- ~ Dust off surface prior to painting

HANDYCOAT EZ SKIM TER1200(PAIL) TER1201(PLASTIC BAG)

Handycoat EZ Skim is a ready-mixed filler for most interior building surfaces, including sand or cement render and building boards.

An advanced skimming compound, it is used for the repair and touch up of both new and old surfaces, filling joints, substrate imperfections and hairline cracks. It creates a high quality, even surface for painting.

PROPERTIES 2

Handycoat EZ Skim is made from a selected blend of acrylic polymers and precisley graded fillers. It has the following properties:

- ~ Easy to use
- ~ Does not flake
- \sim Has high adhesion power
- \sim Has high coverage
- ~ Quick-drying
- \sim Vapour permeable
- \sim Easy application
- ~ Easy sanding
- ~ Can be overcoated without priming

🖄 AREA OF USE

Suitable for interior surfaces only.

When dry, Handycoat EZ Skim bonds extremely well to cementitious materials, gypsum, building boards, plaster, wood, galvanised steel lathings and all common building surfaces.

Can be used as a full skimcoat or for patching hairline cracks in walls, ceilings, repairing damage to plaster or paintwork, nail holes in woodwork, and making good around door architraves and along the top of skirting boards.

APPLICATION 🖄

- ~ Applied by trowel or spatula
- ~ Spread rate: 0.5 1.5kg/m²
- ~ Drying time: 3 4hrs
- ~ Lightly sand and dust off surface prior to painting

HANDYCOAT FLEX TER1120

Handycoat Flex is a general-purpose, one-pack acrylic crack repair filler. It forms a water-resistant joint, dust and damp proof seal in situations too demanding for normal fillers.

PROPERTIES

- ~ Waterproof
- ~ Weather resistant
- ~ Permanent flexibility (+/- 15%)
- ~ Quick-drying
- \sim Easy to apply
- ~ High adhesion to matt building surfaces
- ~ Can be painted after 24hrs

🖄 AREA OF USE

Suitable for interior and exterior surfaces.

For use between concrete elements, around doors and windows, behind skirtings and architraves. Repairs cracks in plaster and concrete, or as a jointing compound for dry walling.

APPLICATION 🖄

- ~ Applied by trowel or spatula
- ~ IMPORTANT: Drying time of 24hrs

HANDYCOAT IN SUMMARY

Below is a quick guide to help you choose your product:

	Sec-Skim	S EXTERIOR	S FLEX
Easy to sand	•••	•	•
Ease of application	•••	••	•
Non-slump	•	••	••
Low shrinkage	•	••	•
Crack bridging	•	••	•••
Film build	•	•••	••

TERRAREND STANDARD GREY:TER1302 WHITE:TER1312 (PAPER BAG)

Terrarend Standard is formulated for plastering and repair of cast in-situ concrete, lightweight concrete, fairfaced dense concrete, blockwork and brickwork.

It gives a hard, smooth, water resistant finish which is suitable for painting and wall-papering. Terrarend Standard is a polymer-modified cement-based compound guaranteeing good adhesion to the substrate. Due to its composition and the use of precisely graded fillers, a smooth, high quality surface is obtained on walls and ceilings.

Terrarend Standard is supplied in powder form.

PROPERTIES

- ~ Provides a smooth surface
- ~ Excellent adhesion
- \sim Water and crack resistant

🖄 AREA OF USE

Suitable for interior and exterior surfaces.

Terrarend Standard is used for repair and levelling up to 3 – 5mm in thickness. Suitable for use as an embedding compound in anti crack rendering systems.

APPLICATION

- ~ Applied by trowel or spray
- ~ Spread rate: 1.7kg/m²/mm
- ~ Drying time: 48hrs

Mix thoroughly with the recommended water addition in a high speed mixer for 3-5 minutes, then re-stir and use.

Curing: it is advisable to keep the surface moist during the first 48 hours to ensure proper curing.

WEATHERCOAT ELASTOMERIC WATERPROOFING TER1400

Weathercoat is an economical, permanent waterproofing system for roofs and façades. The system will adhere to new and old surfaces of concrete, bitumen and tiles. It has long-life flexibility and is ideally suited for use in areas with extreme climatic conditions.

It is applied by brush, roller, trowel or spray, and after drying can be walked upon uncovered. The Weathercoat system has high resistance to chemical attack and atmospheric pollution, and is a UV stable system.

PROPERTIES

Weathercoat is supplied as a two component, powder (cement-based) and resin (acrylic-based) system, to be mixed on site. Different mixing ratios will produce compounds of different degrees of flexibility, suitable for different purposes.

Advantages:

- ~ Permanent waterproofing
- ~ Abrasion resistant
- ~ Non-toxic
- ~ Weather resistant
- \sim High adhesion power
- \sim Highly flexible
- \sim Vapour permeable
- \sim Good adhesion to cement mortars
- ~ Excellent crack bridging

🖄 AREA OF USE

Suitable for exterior surfaces.

For waterproofing most building surfaces e.g. roofs, façades, foundations, retaining walls, planters, wet room floors etc.

- ~ Applied by brush, roller, trowel or spray
- ~ Apply 1 coat Terraco PENETRATING PRIMER CLEAR (TER2100) prior to application
- ~ Mixed Weathercoat must be used within 1 hour of mixing
- ~ Spread rate: $1.5 3 \text{kg/m}^2$ (depending on application method)
- ~ Drying time: 3hrs between coats
- \sim Can be over-coated with approved conventional acrylics



PENETRATING PRIMERS TER2100(CLEAR) TER2200(WHITE)

Penetrating Primer is a highly-developed product in liquid form, which is absorbed deeply into the substrate of cementitious materials, plasters and renders. It binds the substrate and the surface, to give a solid base for decorative finishing coats, such as Terraco Textured Coatings, paints and thin-layer mortars. Penetrating Primer is supplied in clear and a tintable white.

PROPERTIES

- \sim Aqueous acrylic copolymer emulsion of extremely fine particle size
- \sim Penetrates and binds loose, dusty and porous substrates
- ~ The application of Penetrating Primer greatly reduces the incidence of secondary efflorescence in concrete

🖄 AREA OF USE

Suitable for interior and exterior surfaces.

For use on surfaces such as cements, plasters, renders and lightweight concrete.

Especially suitable for sealing old, dry, absorbent, untreated concrete. It is recommended that Terraco Penetrating Primer be used prior to the application of synthetic resin or oil-based coatings to prevent saponification (chemical reaction).

- ~ Applied by roller, brush or spray
- The surface is considered fully treated when a slight sheen is seen to appear on the surface. Depending upon the surface condition it may be necessary to apply two or three coats.
- ~ Should be painted/covered as soon as possible, after drying, to ensure optimum adhesion
- ~ Spread rate: 0.08 0.1kg/m² (CLEAR) and 0.15 0.2kg/m² (WHITE)
- ~ Drying time: 1 2hrs



SILPRIME TER2300

Silprime is a silane siloxane based penetrating primer for concrete surfaces. It binds the substrate to give a solid base for decorative finishing coats.

When it penetrates into the substrate, it creates a hydrophobic zone into which liquid water cannot enter, thereby minimising efflorescence from reaching the surface and debonding the final finish.

PROPERTIES

- ~ Water-based
- \sim Minimises efflorescence
- ~ Improves weather/water resistance of finish
- ~ Eliminates freeze/thaw damage
- $\sim\,$ Binds well to substrate and finish coat

🖄 AREA OF USE

Suitable for interior and exterior surfaces.

For use on surfaces such as concrete, plaster and lightweight concrete, on all alkali surfaces and on surfaces which have risk of secondary efflorescence.

Recommended for use in conjunction with the TERRACOVER SIL range.

- ~ Applied by roller, brush or spray
- The surface is considered fully treated when a slight sheen is seen to appear on the surface. Depending upon the surface condition it may be necessary to apply two or three coats. Silprime should be painted/covered as soon as possible, after drying, to ensure optimum adhesion.
- ~ Spread rate: 0.1 0.2kg/m²
- ~ Drying time: 1 2hrs



TERRACOVER TEXTURED COATINGS

Terracover is a range of ready-mixed acrylic textured coatings. They provide the unique combination of a quality architectural finish with outstanding economy through ease of application, low material consumption rates, surface and colour durability.

Formulated from crushed and precisely graded fillers, acrylic binders and additives, giving long-life and durability against pollution. Its rich texture and flexibility helps cover defects and minor cracks in the substrate.

Depending on your area of application, Terracover is supplied as a pre-mixed coloured paste in an

- ~ acrylic
- ~ silicone, or
- ~ elastomeric-based product.

PRODUCT	ACRYLIC	SILICONE	S FLEX
TERRACOVER EXCEL	•	•	N/A
TERRACOVER GRANULE	•	•	•
TERRACOVER STANDARD	•	N/A	N/A
TERRACOVER SUPERFINE	•	N/A	N/A
TERRACOVER SUEDE	•	•	•
TERRACOVER BT	N/A	•	•

It can also be supplied as a non-pigmented basecoat to create texture only, which is finished with a pigmented topcoat (Terracover Stain).

Available in different textures, grain sizes and 25 standard colours.



CHOOSING AN ACRYLIC-BASE

PROPERTIES 2

- ~ Extended long-life and durability
- ~ Flexibility helps cover minor cracks and surface defects
- \sim Withstands large temperature swings between night and day

AREA OF USE

Suitable for interior and exterior surfaces.

For use on exterior façades and surfaces of buildings such as:

- ~ commercial and industrial complexes
- \sim office projects
- \sim factories and hospitals, and
- \sim housing developments

Terracover Textured Coatings can also be used on surfaces of:

- \sim concrete
- ~ cement rendering and lightweight concrete
- ~ fairfaced stonework
- \sim brickwork and blockwork
- \sim building boards
- \sim anti-rust primed steel and galvanised steel

The coating performs equally well on interior surfaces of:

- ~ gypsum dry wall and chipboard, and
- \sim is widely used as a decorative ceiling and wall finish

PRODUCTS

Available as an acrylic topcoat are:

\sim TERRACOVER	EXCEL 1mm	(TER3101)
\sim TERRACOVER	EXCEL 2mm	(TER3102)
~TERRACOVER	GRANULE 0.8mm	(TER3208)
~TERRACOVER	GRANULE 1mm	(TER3201)
~TERRACOVER	STANDARD	(TER3300)
~TERRACOVER	SUPERFINE	(TER3400)
~TERRACOVER	SUEDE	(TER3500)

CHOOSING A SILICONE-BASE

PROPERTIES

- \sim Extended long-life and durability against high pollution
- ~ High water repellency
- ~ Dirt pick-up resistance
- ~ Extended long-life durability against peeling

AREA OF USE

It adheres to most interior and exterior surfaces including building boards and anti-rust primed steel.

Suitable for areas of high humidity or extreme climatic conditions.

Overcoating with silicone-based or conventional overcoats when required is acceptable.

PRODUCTS

Available as a silicone topcoat are:

~TERRACOVER SIL EXCEL 1mm	(TER3111)
~TERRACOVER SIL EXCEL 2mm	(TER3112)
~TERRACOVER SIL GRANULE 0.8mm	(TER3218)
~TERRACOVER SIL GRANULE 1mm	(TER3211)
~TERRACOVER SIL SUEDE	(TER3510)
~TERRACOVER SIL BT	(TER3610)



DIRT PICK-UP ON A CONVENTIONAL DIR TEXTURED COATING SIL

DIRT PICK-UP RESISTANCE ON A SILICONE-BASED TEXTURED COATING

CHOOSING AN ELASTOMERIC-BASE

PROPERTIES

- ~ Crack bridging
- \sim Long-life durability with excellent resistance to long term exposure to UV
- \sim Long-life flexibility over a wide range of temperatures
- ~ Prevents concrete carbonation and ultimately concrete spalling
- ~ Promotes breathability
- ~ Dirt pick-up resistance

AREA OF USE

It adheres to most interior and exterior surfaces including building boards, anti-rust primed steel, sand/cement render and concrete.

Developed to withstand problems associated with wide temperature variations and extreme climatic conditions.

PRODUCTS

Available as an elastomeric topcoat are:

~ .	TERRACOVER	FLEX	GRANULE 0.8mm	(TER3228)
~ .	TERRACOVER	FLEX	GRANULE 1mm	(TER3221)
~ .	TERRACOVER	FLEX	SUEDE	(TER3520)
~ .	TERRACOVER	FLEX	BT	(TER3620)



CRACKING USING A CONVENTIONAL TEXTURED COATING

CRACK BRIDGING USING AN ELASTOMERIC-BASED TEXTURED COATING



SUMMARY OF FEATURES AND BENEFITS

DESIGN CRITERIA	ACRYLIC	SILICONE	
Increased water repellency and mould/mildew resistance	•	•••	••
Increased resistance to air borne pollutants	•	•••	•
Crack bridging up to 0.5mm	•		
Breathable - doesn't blister, peel or flake	•	•••	•
Breathability over previously coated surfaces	•	•••	
Seals existing, non-moving cracks	•	•	
High UV fade resistance	••	••	••
25 standard colours with custom colours on request	•	•	•
Expected life span	10 yr+	15 yr+	10 yr+

• GOOD •• SUPERIOR ••• PREMIUM

TERRACOVER EXCEL

A trowel-applied texture with a vertical, horizontal or random finish. Specifically designed for application in EIFS systems* as well as for use with conventional masonry substrates.

PRODUCTS AVAILABLE

(TER3101)
(TER3102)
(TER3111)
(TER3112)



TERRACOVER EXCEL 1mm VERTICAL

APPLICATION: Trowel SPREAD RATE: 1.8 - 2.2kg/m²



TERRACOVER EXCEL 2mm VERTICAL

APPLICATION: Trowel SPREAD RATE: 2.8 - 3.4kg/m²



TERRACOVER EXCEL 2mm RANDOM

APPLICATION: Trowel SPREAD RATE: 2.8 - 3.4kg/m²

TERRACOVER GRANULE

A trowel or spray-applied texture with a granular finish. Specifically designed for application in EIFS systems* as well as for use with conventional masonry substrates.

(TER3208)

PRODUCTS AVAILABLE

- ~TERRACOVER GRANULE 0.8mm
- ~ TERRACOVER GRANULE 1mm (TER3201)
- ~ TERRACOVER SIL GRANULE 0.8mm (TER3218)
- ~ TERRACOVER SIL GRANULE 1mm (TER3211)
-) ~ TERRACOVER FLEX GRANULE 1mm (TER3221)

~ TERRACOVER FLEX GRANULE 0.8mm (TER3228)



TERRACOVER GRANULE 0.8mm

APPLICATION: Trowel SPREAD RATE: 1.8 -2.2kg/m²



TERRACOVER GRANULE 0.8mm APPLICATION: Spray SPREAD RATE: 1.8 - 2.2kg/m²



TERRACOVER GRANULE 1mm

APPLICATION: Trowel SPREAD RATE: 2.5 - 3.0kg/m²



TERRACOVER GRANULE 1mm APPLICATION: Spray SPREAD RATE: 2.5 - 3.0kg/m²

TERRACOVER STANDARD

A roller or spray-applied texture with a medium build finish.

➢ PRODUCTS AVAILABLE

~TERRACOVER STANDARD (TER3300)



TERRACOVER STANDARD

APPLICATION: Spray SPREAD RATE: 1.5 - 2.0kg/m²



TERRACOVER STANDARD

APPLICATION: Roller SPREAD RATE: 1.5 - 2.0kg/m²

TERRACOVER SUPERFINE

A roller, spray or trowel-applied texture.

➢ PRODUCTS AVAILABLE

~TERRACOVER SUPERFINE (TER3400)



TERRACOVER SUPERFINE

APPLICATION: Spray SPREAD RATE: 0.6 - 0.8kg/m²



TERRACOVER SUPERFINE

APPLICATION: Roller Knock Down SPREAD RATE: 0.6 - 3.5kg/m²



TERRACOVER SUPERFINE

APPLICATION: Trowel SPREAD RATE: 0.6 - 3.5kg/m²

TERRACOVER SUEDE

A spray or trowel-applied texture with a lightly textured finish. Consumption rates are relatively low making it a more economical finish.

➢ PRODUCTS AVAILABLE

~TERRACOVER SUEDE	(TER3500)
~TERRACOVER SIL SUEDE	(TER3510)
~TERRACOVER FLEX SUEDE	(TER3520)



TERRACOVER SUEDE

APPLICATION: Trowel SPREAD RATE: 1.5 - 2.0kg/m²



TERRACOVER SUEDE

APPLICATION: Spray SPREAD RATE: 1.5 - 2.0kg/m²

TERRACOVER BT

A roller or brush-applied texture with a lightly grained finish. Consumption rates are relatively low making it a more economical finish.

PRODUCTS AVAILABLE

~TERRACOVER SIL BT ~TERRACOVER FLEX BT

(TER3610) (TER3620)



TERRACOVER BT

 $\begin{array}{l} \mbox{APPLICATION: Roller} \\ \mbox{SPREAD RATE: } 0.6 \ - \ 1.2 \mbox{kg/m}^2 \end{array}$



TERRACOVER BT APPLICATION: Brush SPREAD RATE: 0.6 - 1.2kg/m²





SILTOP TER4010

Terraco Siltop is a premium quality exterior matt paint based on silicone polymers which provide the coating with excellent dirt pick-up resistance and water repellency. It is designed for application on smooth surfaces, or highly profiled surfaces such as Terracover Textured Coatings, where it significantly improves the dirt pick-up resistance of the coating. Terraco Siltop is available in a select colour range.

PROPERTIES

Based on silicone polymers which provide the coating with the following unique properties:

- ~ Excellent breathability
- ~ Excellent dirt pick-up resistance
- ~ Excellent exterior durability
- ~ Excellent coverage
- ~ Low material consumption
- ~ Mould resistant
- ~ Extra long life

🖄 AREA OF USE

Suitable for exterior surfaces.

Used as an alternative to exterior paint where high performance is required. Terraco Siltop is used as a conventional coating system as well as for textured surfaces to minimise dirt pick-up problems normally associated with open pore textures.

- ~ Applied by brush, roller or spray
- \sim The application should be continuous to avoid dry edges
- ~ Spread rate: 0.3 0.4kg/m²
- ~ Drying time: 1 2hrs


FLEXISHIELD TER4110

Flexishield is a mid-sheen elastomeric paint with excellent weathering properties. It has the ability to bridge cracks unlike conventional masonry coatings. It also maintains flexibility over a wide range of temperatures making it suitable in extreme climatic conditions. Flexishield is based on a crosslinking acrylic polymer which allows it to form a low-tack surface that provides the coating with excellent dirt pick-up resistance. Flexishield is available in a select colour range.

🖄 PROPERTIES

Flexishield is an elastomeric paint with the following features and advantages:

- \sim 100% acrylic resistant to UV light giving excellent long-term durability
- ~ Permanent flexibility has the ability to bridge pre-existing cracks of up to 0.5mm over a wide range of temperatures from -40° C to $+50^{\circ}$ C
- ~ Tough film because of the crosslinking of the polymer, high tensile strengths are achieved in the coating film
- ~ Breathable allows the structure to breathe
- \sim CO₂ Barrier helps to prevent concrete corrosion
- Dirt resistant chemistry surface crosslinkage maintains a clean surface unlike other elastomeric coatings

🖄 AREA OF USE

Suitable for exterior surfaces.

Flexishield can be used on new or old masonry surfaces.

It is particularly useful over surfaces which have micro cracks (<0.5mm), or on surfaces which may develop such cracks in the future.

APPLICATION

- ~ Applied by brush, roller or spray
- \sim The application operation should be continuous in order to avoid dry edges
- ~ Spread rate: 0.4kg/m² depending on surface conditions
- ~ Drying time: 3 4hrs

TERRACOVER TOPCOAT MATT TER4300

Terracover Topcoat Matt is a ready-mixed, clear, pure acrylic glaze for exterior use over Terracover to improve resistance to dirt pick-up. It has excellent resistance to weathering and is non-yellowing.

PROPERTIES

Terracover Topcoat Matt is formulated on a pure acrylic binder, coalescing agents and additives. It produces a tough finish with outstanding adhesion when overcoating Terracover.

🖄 AREA OF USE

Suitable for interior and exterior surfaces.

Terracover Topcoat Matt is primarily designed as a final coating over Terracover Acrylic Textured coatings particularly in locations adjacent to busy thoroughfares and where there is a large amount of dust and dirt in the atmosphere.

Also suitable for industrial complexes, hospitals and housing developments.

🖄 APPLICATION

- ~ Applied by brush, roller or spray (stir well before use)
- The Terracover Textured Coating should be allowed to dry for 72 hours before applying Terracover Topcoat Matt
- ~ Spread rate: 0.1 0.15kg/m²
- ~ Drying time: 3 4hrs

TERRACOVER STAIN TER4200

Terracover Stain is a ready-mixed pigmented coating designed for application as a topcoat for Terracover Textured Coatings and the Terol range. It has excellent dirt pick-up resistance and is designed for use in areas where atmospheric pollution is a problem.

Terracover Stain is a low profile coating imparting colour to the surface with minimum film build, thereby allowing the original granular appearance of the Terracover coating to be maximized.

PROPERTIES

Terracover Stain is formulated with Acrylic resins, light fast pigments and film preservatives to provide a tough weather resistant film with the following properties:

- ~ Excellent UV resistance
- ~ Excellent dirt pick-up resistance
- ~ Excellent fade resistance
- \sim High opacity, low profile coating
- \sim Attractive mid-sheen finish
- ~ Breathable film
- ~ Easy-to-apply

AREA OF USE

Suitable for interior and exterior surfaces.

Terracover Stain is designed for use as a top coating for Terracover Textured Coatings and the Terol range, where extra dirt pick-up resistance is required. It can be applied over pigmented and non-pigmented Terracover coatings. It can also be used as a renovation coating to overcoat old textured coating surfaces after proper pre-treatment.

APPLICATION

- ~ Applied by brush, roller or spray
- ~ The Terracover Textured Coating should be allowed to dry for 72 hours before applying Terracover Stain
- ~ Spread rate: 0.2 0.3kg/m²
- ~ Drying time: 3 4hrs



TEROL

Terol is a superior quality, decorative, economical polymermodified rendering, primarily designed for long-life protection of exterior façades. Terol can be easily and quickly applied.

To satisfy a variety of architectural requirements, three textured finishes are available, Terol Smooth, Terol Granule and Terol Coarse. Terol is supplied in powder form.

PROPERTIES

Terol is formulated using a mixture of crushed and precisely graded laminar, inert extenders, special cements, limes and additives. This gives superior weather and pollution-resistant properties to the material, which has a life expectancy of more than 15 years, when applied correctly.

Terol is available in two qualities:

~ TEROL BASECOAT

This is a more economical system that is overcoated with Terracover Stain for colour.

~ TEROL FINISHCOAT *

This is a self-coloured system that is factory tinted giving you both a texture and colour in one product.

and in three textures:

~ GRANULE

Terol Granule is a high build, trowel applied finish.

 \sim SMOOTH *

Terol Smooth is a low build, spray applied, lightly textured finish.

~ COARSE *

Terol Coarse is a high build, heavy textured finish, applied using a spray gun, 'flickering' machine, or trowel.

PRODUCT SUMMARY

~TEROL GRANULE BASECOAT	(TER5102)
~TEROL GRANULE FINISHCOAT *	(TER5101)
~TEROL SMOOTH BASECOAT *	(TER5202)
~TEROL SMOOTH FINISHCOAT *	(TER5201)
\sim TEROL COARSE BASECOAT *	(TER5302)
~TEROL COARSE FINISHCOAT *	(TER5301)

*DUE FOR LATER RELEASE IN SOUTH AFRICA



TEROL continued

🖄 AREA OF USE

Suitable for exterior surfaces such as concrete, cement rendering, lightweight concrete, and fairfaced brickwork or blockwork. Terol is ideal as a finish for Terraco EIFS™*.

APPLICATION

- ~ Trowel or spray depending on the texture.
- ~ For a uniform finish, ensure that the water content and mixing times are consistent. Prepared material should be used within 4 hours of mixing.

Terol Smooth and Coarse application:

 \sim Apply in 2 - 3 coats by spray to create an even textured finish

Terol Granule application:

- Apply by trowel to a level granular finish at a spread rate of 4 5kg/m²
 The product should not be retouched after application as there is a risk of discolouration
- ~ IMPORTANT: Should the Terol Basecoat/Stain option be desired, ensure to follow the Terracover Stain application guidelines.



TEROL GRANULE

APPLICATION: Trowel SPREAD RATE: 4 - 5kg/m²





EXTERIOR INSULATION AND FINISHING SYSTEMS

EIFS can be defined as an energy efficient thermal wrapping applied to the exterior surfaces of a building. The system is finished with a long-life, decorative and protective coating system.

Terraco EIFS[™] has been developed for use in both hot and cold climates and can substantially reduce heating or cooling costs as well as allowing for the use of lower specification heating or cooling systems.

Terraco EIFS[™] can be used on both old and new constructions. It is applied as an exterior system and is highly suitable for upgrading older buildings to reduce operating costs while giving an attractive new finish.

Components of Terraco EIFS™:

- 1. Substrate
- 2. Terraco Styrofix adhesive
- 3. Mechanical fastener
- 4. Insulation board
- 5. Terraco Styrobond DP basecoat
- 6. Reinforcing mesh
- 7. Terraco Styrobond DP basecoat
- 8. Decorative textured coating





PROPERTIES OF TERRACO EIFS™

~ Superior energy efficiency

Terraco EIFS[™] wraps the exterior of the building in an energy-efficient thermal blanket, which reduces heat transmission. The interior environment is stabilized and energy consumption is reduced.

Terraco EIFS[™] significantly reduces heat transmission compared to uninsulated conventional constructions. Uninsulated walls are one of the largest absorbers of heat and the introduction of wall insulation will substantially reduce energy consumption.

As Terraco EIFS[™] is highly energy efficient, lower capacity air conditioning or heating equipment can be specified.

$\sim\,$ Design Flexibility and Decorative Finishing

The use of Terraco EIFS[™] introduces substantial design flexibility. As the insulation is placed on the outer surface, the use of a cavity wall can be avoided. This allows for the use of various alternative wall designs such as timber frame, steel frame, precast concrete and cast-in-situ concrete structures.

It is available in a range of aesthetically pleasing colours and a wide variety of textures. Skilled applicators can create a variety of exterior architectural detailing that would often be cost-prohibitive using conventional construction and finishing techniques.

\sim Superior Resistance to Fading, Chalking and Yellowing

Terraco EIFS[™] will out perform other insulation options by maintaining its original appearance over time. The system is finished with Terracover Acrylic and Silicone coatings, as well as Terol, that can withstand extreme climatic conditions.

\sim Condensation control

Using an insulation layer on the outer surface makes good building sense especially in cold and humid climates. It eliminates any problems caused by the ingress of water vapour and associated condensation which can cause problems when insulation is installed on inner surfaces.

~ Increased Interior Floor Space

Using an exterior insulation system allows for better use on inner floor space. The interior wall thickness can be reduced by as much as 100mm allowing for an increase in floor space of up to 4%.

STEP 01: PROFILE INSTALLATION



STEP 02: FIXING INSULATION BOARDS



STEP 03: THE MECHANICAL FASTENERS



STEP 04: BASECOAT & FIBREGLASS MESH APPLICATION

STEP 05: THE DECORATIVE FINISH

METHOD OF APPLICATION

STEP 01: PROFILE INSTALLATION

 \sim Fix bearing profiles at 50cm intervals, start 25cm above ground level.

STEP 02: FIXING INSULATION BOARDS

- ~ Spot method (5kg/m²): used on uneven substrates. Apply Styrofix adhesive to the external edges and to 5 - 6 inner spots of the back side of the insulation board, ensuring to cover 40% of the surface area.
- ~ Notched trowel method (4kg/m²): used on even substrates. Apply Styrofix adhesive to the entire back surface of the insulation board using a notched trowel.

In both cases, the insulation board sides should be kept clean to ensure the boards can be fitted tightly side by side, thus avoiding thermal bridging.

NB: Allow to dry for 24 hours before proceeding to the next step.

STEP 03: THE MECHANICAL FASTENERS

- ~ Mechanical fasteners are fixed directly through the uncoated board after a minimum of 24 hours.
- ~ Fasteners should penetrate 4cm into brick or concrete substrates.
- ~ A minimum of 4 6 fasteners/ m^2 should be used.
- ~ Fasteners should be made of plastic to avoid thermal bridging.

STEP 04: BASECOAT & FIBREGLASS MESH APPLICATION

- \sim For corners, use PVC corner profile with 10 15cm fibreglass mesh to give straight edges fixed with Styrobond DP.
- \sim Apply a coat of Styrobond DP by hand or spray to an approximate thickness of 2mm and immediately embed the glass fibre mesh into the surface by trowelling from centre out to avoid any wrinkles. Achieve a minimum thickness of 1.5mm (2kg/m²).
- ~ Overlap all fibre glass mesh edges by 10cm.
- ~ Apply a further coat of Styrobond DP to achieve an overall thickness of 3mm (5kg/m²).
- \sim In high usage areas, such as at ground level, 2 layers of fibre glass mesh and a further coat of Styrobond DP are used to increase impact resistance.

STEP 05: THE DECORATIVE FINISH

- \sim Allow the final layer of the Styrobond DP to cure for 72 hours and apply a coat of Terraco Penetrating Primer.
- ~ Terraco EIFS[™] is finished with Terracover Decorative Coatings:
 - TERRACOVER EXCEL (trowel-applied)
 - TERRACOVER GRANULE (trowel or spray-applied)
 - TERRACOVER SIL EXCEL (trowel-applied)
 - TERRACOVER SIL GRANULE (trowel or spray-applied)
 - TEROL (trowel or spray-applied)

SYSTEM SUMMARY

J FUNCTION	PRODUCT	kg/m²	J THICKNESS
Adhesive	Styrofix	4 - 5	2.3mm
Insulation board	Expanded Polystyrene board 16kg/m² density Fire retardant grade	0.8 1.2 1.6	50mm 75mm 100mm
Basecoat	Styrobond DP	5	3.5mm
Fibre glass mesh	Terraco EIFS™ glass fibre mesh Alkali resistant grade	0.16	~
Primer	Penetrating Primer	0.15 - 0.2	~
Decorative finish	Terracover Granule 1mm Terracover Excel 2mm Terracover Granule SIL 1mm Terracover Excel SIL 2mm Terol Granule	2.5 2.8 2.5 2.8 4.5	1.5mm 1.5mm 1.5mm 1.5mm 2.5mm

*PLEASE NOTE: Terraco EIFS™ can be used with Expanded or Extruded Polystyrene from approved Plascon suppliers. Required thickness of board will depend on desired level of insulation.

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