



Waterproofing Systems

The House of Scandinavian Finishing Materials

Waterproofing Systems

Introduction

Established in Sweden in 1980, Terraco continues its proud tradition of producing environmentally friendly construction materials from strategically located production plants, supplying to over 75 countries across the globe. Waterproofing systems have for many years been intrinsic to the company's success and continued global expansion.

Terraco has been a leader of eco-friendly waterproofing systems and solutions for over 30 years and we are proud to present our comprehensive waterproofing range consisting of:

- An advanced range of 2-component cementitious acrylic waterproof coatings designed to cover all positive pressure masonry and concrete waterproofing requirements;
- A polymer enhanced 1-component cementitious waterproof coating designed for easy application;
- A unique negative pressure crystallisation waterproofer for capillary waterproofing;
- A rapid setting water-stop plug mortar for repairing running water leakages in masonry and concrete;
- A range of liquid elastomeric coatings designed for roof waterproofing applications;
- A water based silicone siloxane water repellent for masonry.

Terraco waterproofing. Proven performance.

Benefits

Adding value to quality

Terraco's comprehensive range of quality environmentally friendly waterproofing products are designed with long-life flexibility in mind, with the ability to adhere to porous and non-porous surfaces, as well as old and new surfaces. These products are suitable for use in areas of extreme climatic conditions.



R&D leads the way

The primary objective of Terraco's R&D programs is to provide users of our construction products with innovative solutions to their onsite challenges when it comes to waterproofing. Terraco's primary R&D centre situated in Ireland is supported by 5 other R&D centers in Turkey, U.A.E., Russia, China and Korea. Highly qualified and experienced technical staff are used to service customer requirements onsite. This empowers Terraco to be a leading innovative waterproofing solutions provider.





weather | COAT GP

TERRACO WEATHERCOAT GP is a high quality, versatile 2 component (acrylic/cementitious) permanent waterproofing system for roofs, facades, water tanks, foundations and more. **TERRACO WEATHERCOAT GP** has long-life flexibility and is ideally suited for use in areas with extreme climatic conditions. It is applied by brush, roller or spray and after drying can be walked upon uncovered. After application the **TERRACO WEATHERCOAT GP** system has high resistance to chemical attack, atmospheric pollution, UV light and fire.

Features and benefits:

- Permanent waterproofing.
- Excellent abrasion resistance.
- Non-toxic, ideal for potable water reservoirs.
- Weather resistant.
- Excellent adhesion properties to new and old surfaces of concrete, bitumen and tiles.
- Highly flexible.
- Vapour permeable.
- High resistance to chloride ion diffusion.
- Cement mortars adhere to it.
- Easy application.
- Eliminates efflorescence that results from ingress of water from backfill.
- Eliminates saponification that attacks surface paints.

Method of Application:

- Apply 1 coat of **TERRABOND A** by brush / roller as a primer coat.
- Apply 1 coat of **WEATHERCOAT GP** by brush, roller or spray (2 kg / m²).
- Embed a layer of glass fibre mesh into those areas which require reinforcement.
- Allow to dry for 3 hours.
- Apply a 2nd coat of **WEATHERCOAT GP** by brush, roller or spray.
- Total thickness : ±2mm.



terra | CRETE

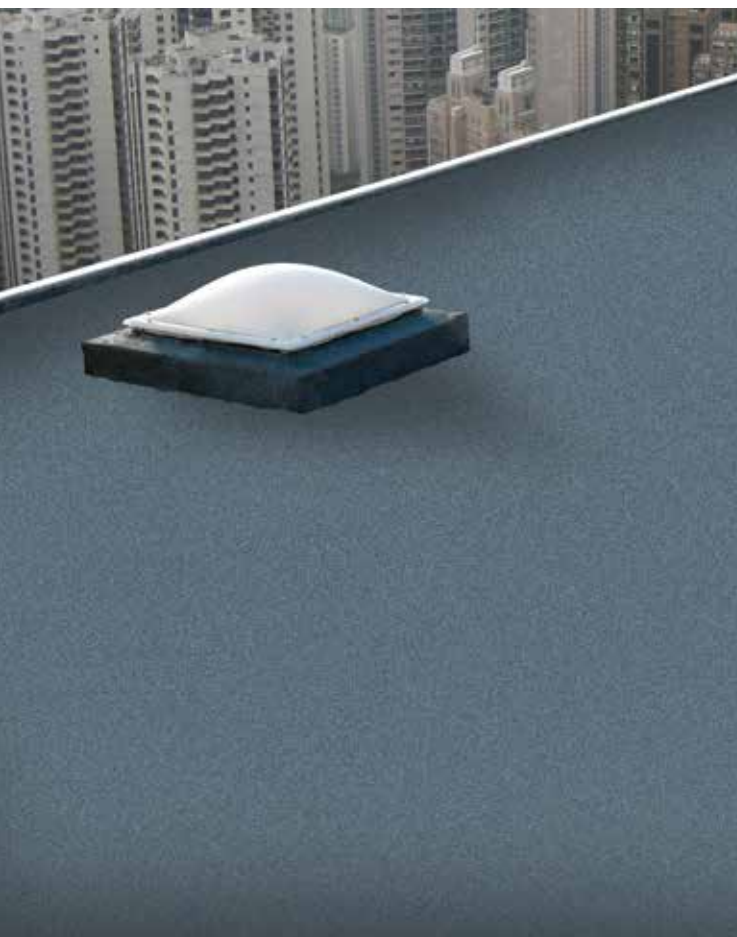
TERRACO TERRACRETE is a two pack waterproof coating which requires only simple site mixing prior to application. It is to be applied by brush, roller or spray. Once dry, it forms a strong, flexible waterproof coating. **TERRACRETE** is an effective barrier to water and inhibits the passage of salts and CO₂ gas.

Features and benefits:

- Waterproof and weatherproof coating.
- Effective anti-carbonation coating.
- Allows surface to breathe while remaining strongly anchored to the substrate.
- Exposed trafficable coating.
- Can be applied to green concrete.
- Provides a seamless coating.
- High flexibility.
- High surface adhesion.
- Non-toxic.
- Possible to fix tiles directly on top of **TERRACRETE**.

Method of Application:

- Apply 1 coat of **TERRABOND A** by brush / roller as a primer coat.
- Apply 1 coat of **TERRACRETE** by brush, roller or spray (2 kg / m²).
- Embed a layer of glass fibre mesh into those areas which require reinforcement.
- Allow to dry for 3 hours.
- Apply a 2nd coat of **TERRACRETE** by brush, roller or spray (2kg / m²).
- Total thickness : ±2mm.



flexi | COAT

flexi | COAT THERMO

TERRACO FLEXICOAT and **FLEXICOAT THERMO** are elastomeric acrylic waterproof coatings providing excellent weather resistance. **TERRACO FLEXICOAT** and **FLEXICOAT THERMO** have long life flexibility and are ideally suited for use in areas with extreme climatic conditions. The products are applied by brush or spray. After drying, the surface can be walked upon uncovered. In addition, **TERRACO FLEXICOAT THERMO** contains brilliant white pigments and heat reflective ceramic spheres which give the product excellent thermo reflective and insulating properties, resulting in significant savings in energy consumption.

Features and benefits:

- Waterproof and weatherproof coating.
- Allows surface to breathe while remaining strongly anchored to the substrate.
- Provides a seamless coating.
- High flexibility.
- Fast drying.
- Reflects Ultra-Violet (light) rays.
- Easy application.

In addition FLEXICOAT THERMO has:

- Heat reflective and insulating properties.
- Reduces energy costs (for cooling) significantly.

Method of Application:

- Porous substrates: Apply 1 coat of **PENETRATING PRIMER** or a solution of **TERRABOND A** as a primer coat.
- Apply 1 coat of **FLEXICOAT** or **FLEXICOAT THERMO** by brush or spray (1 – 2 m² / ltr).
- Embed a layer of glass fibre mesh into those areas which require reinforcement.
- Allow to dry for 6 hours.
- Apply a 2nd coat of **FLEXICOAT** or **FLEXICOAT THERMO** by brush or spray.



Pluggit 311

Terraco Pluggit 311 is a one-component rapid setting repair mortar which is used to stop water leakages in concrete and masonry where running water or moisture seepage is present. **Terraco Pluggit 311** is shrinkage compensated and hence creates a watertight repair even under constant water pressure. It is suitable for use to fill static cracks and holes in foundations, tunnels, reservoirs, sewerage pipes, basements, water tanks, etc.

Features & benefits:

- Rapid setting formulation
- Shrinkage compensated
- One-component easy to use compound
- Chloride-free, corrosion-free compound
- High early strength properties
- Sets above and below water

Method of application

For wet application - remove any standing water from the repair area.
For dry application - moisten substrate before application of Pluggit 311.
Then proceed as follows:

- Mix a required quantity with water to form a stiff paste.
- Only mix sufficient material and use within 1-2 minutes.
- Do not mix for more than 30 seconds.
- Press paste into damaged area and hold in place until set.
- Terraco Pluggit 311 will set in 3-5 minutes.
- Once set remove excess material by cutting surface with a trowel.

Which Waterproofing Product?

Silcoat WB

Flexicoat Thermo

Flexicoat

Plugit 311

Terracrete

Weathercoat GP

AREAS OF USE

WET ROOMS & BALCONIES

✓✓	✓✓	Bathrooms and Toilets
✓✓	✓✓	Under-Tile Waterproofing
✓✓	✓✓	Balconies
✓✓		Dry-Wall Wet Areas
✓✓	✓✓	Patios
✓✓		Saunas
✓✓		Thermal Pools

STRUCTURAL

	✓✓	✓✓	Foundations
	✓✓	✓✓	Retaining Walls
	✓✓	✓	Bridge Structures
		✓	Basements
✓✓	✓✓	✓✓	Anti-Carbonation Coatings
		✓✓	Running Water Repair
✓✓			Masonry and Concrete Water Repellent
✓✓			Natural Stone Water Repellent

WATER RETAINING STRUCTURES

	✓	Irrigation Canals
✓✓	✓✓	Salt Water Tanks
✓✓	✓✓	Swimming Pools
✓✓	✓✓	Potable Water Tanks
✓✓	✓✓	Planter Boxes
✓✓	✓✓	Decorative Ponds
✓✓	✓✓	Concrete Gutters

ROOFING & SLABS

✓✓	✓✓	✓✓	✓✓	Exposed Flat Roofing
		✓✓	✓✓	Terraces
			✓✓	Car Park Foundation Slab, Walls and Roof
✓✓	✓✓			Cool Roofing
✓✓	✓✓			Roof Tile
✓✓	✓✓			Cement Fibre Roofing

Technical Data

Product Name	WEATHERCOAT GP	TERRACRETE	FLEXICOAT	FLEXICOAT THERMO
Description	Two component, cementitious / acrylic, elastomeric, seamless, waterproofing system.	Acrylic modified cement based, seamless, waterproof slurrycoat.	Ready-mixed, flexible, seamless, waterproof roofing compound.	Seamless, waterproof, heat reflective and insulating roofing compound.
Binders	Hydraulic (Weathercoat Powder) / Organic (Weathercoat Resin).	Cement / Acrylic	Acrylic	Acrylic
Fillers	Crushed and precisely graded fillers.	Silica / dolomite.	Crushed and precisely graded fillers.	Ceramic micro-spheres and precisely graded fillers.
Pigments	N/A	N/A	Weather resistant pigments.	Weather resistant pigments.
Drying Time	3 hours between coats.	4 hours between coats.	6 hours between coats.	6 hours between coats.
Density @ 25°C BS 3900: Part A12 DIN 53217	1.8 g/ml (mixed)	1.8 g/ml (mixed)	1.3 g/ml	1.0 g/ml
Colours	Natural white and grey	White and grey.	White, grey and stone.	White and grey.
Toxicity	Non-toxic	Non-toxic	Non-toxic	Non-toxic
Material Consumption	2 kg /m ² /mm	2 kg /m ² /mm	1 - 1.5 kg / m ² 0.5 - 1 m / litre ²	1.1 – 1.6 kg/m ² 0.6 – 0.9 m ² / litre
Solid Content (% weight) BS 3900: Part B2	82 %	N/A	66 %	N/A
Water Permeability BS EN 12390-8:2000 DIN 1048: Part 5: 91	0 mm (Nil)	0 mm (Nil)	N/A	N/A
Initial Surface Absorption BS 1881: Part 208: 96 BS 1881: Part 122:1983	<0.01 ml/m ² .Sec (@ 10 minutes) <0.01 ml/m ² .Sec (@ 30 minutes) <0.01 ml/m ² .Sec (@ 1 hour)	N/A	0.07 – 0.1 (@ 30 minutes) 0.3 (@ 24 hours)	N/A
Thermal Resistance ASTM C518:1998	N/A	N/A	N/A	0.1997 °F·h·ft ² / Btu 0.0352 (m ² K) / W
Potability APHA 20 th Edition	Suitable for potable water tanks.	N/A	N/A	N/A
Bond Strength to concrete ASTM D4541	14 kg/cm ²	N/A	2.5 MPa	N/A
Tensile Strength ASTM D412 BS 2782 Part 3	N/A	N/A	0.8 MPa	1.0 MPa @ 25°C
Elongation ASTM D412 BS 2782 Part 3 ASTM D1737	Excellent	>5 %	400 %	300 % (± 50) @ 25°C
Shore A Hardness ASTM D2240	N/A	N/A	90	60 – 70
Accelerated Weathering ASTM G53	N/A	N/A	Not affected	N/A
Application Method	Brush, roller or spray.	Brush, roller or spray.	Brush, roller or spray.	Brush, roller or spray.
Packaging	15 kg bag & 5 kg pail	15 kg bag & 5 kg pail	20 litre metal pail	20 litre metal pail
Storage	12 months in original unopened containers when stored according to manufacturer's instructions.			

Please refer to applicable Datasheets before applying Terraco Waterproofing products. Additional information on www.terraco.com



www.terraco.com

SWEDEN • UK • IRELAND • RUSSIA • TURKEY • JORDAN • EGYPT • UAE • PAKISTAN • THAILAND • VIETNAM • CHINA • KOREA

