

//// TERRACO®



2K Flexible Positive-Negative Pressure Waterproofer

Ultracrete

The House of Scandinavian Finishing Materials

A two component positive-negative pressure waterproofer which combines the flexibility and adhesion of high performance positive pressure waterproofers with the functionality of a negative pressure grade. This combination greatly simplifies negative pressure waterproofing.

AREAS OF USE

Suitable for waterproofing masonry substrates in the following areas:

- Basements
- Carparks
- Lift pits
- Underground Structures
- Swimming pools
- Foundations

FEATURES & BENEFITS

- Positive pressure resistance complies with BS EN14891:2013
- Negative pressure resistance up to 1.5 bar at 2 mm thickness
- Excellent crack bridging capability
- High tensile strength
- Good vapour permeability
- Good low temperature flexibility
- Excellent adhesion

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 by brush, broom or vacuum from the areas to be coated.
- Grind off all ridges and sharp projections.
- Scrape off all flaking material and remove oils, grease and other adhesion inhibiting substances. Mortar joints must be sound and finished flush with the blockwork.
- In situations requiring reinforcement and on all wall and floor corner junctions, pipe entries and drains, it is recommended to apply the respective Terratape reinforcing membrane or Terraco Flexitape or Terraco Sealing Tape, depending on area of application.
- Cracks and surface defects must be made good using suitable Terraco repair products.

For Negative pressure resistance (water exerts pressure to opposite side of the coating)

- Ultracrete is applied over unprimed concrete surfaces. (Surface should be free from any contamination & clean with water prior to application of Ultracrete).

For Positive pressure resistance (water exerts pressure directly onto the coating)

- Create a fillet in the corners where required, prior to application of Ultracrete.
- In the presence of water which continuously seeps through, seal off the flow using Terraco Pluggit 311 and then continue as described above.
- Dry and porous substrates should be primed with Terrabond A (diluted 1:3 with clean water) or Terraco Waterproofing Primer (undiluted).
- Other surfaces should be saturated with water prior to application but no standing water should be present.

Application

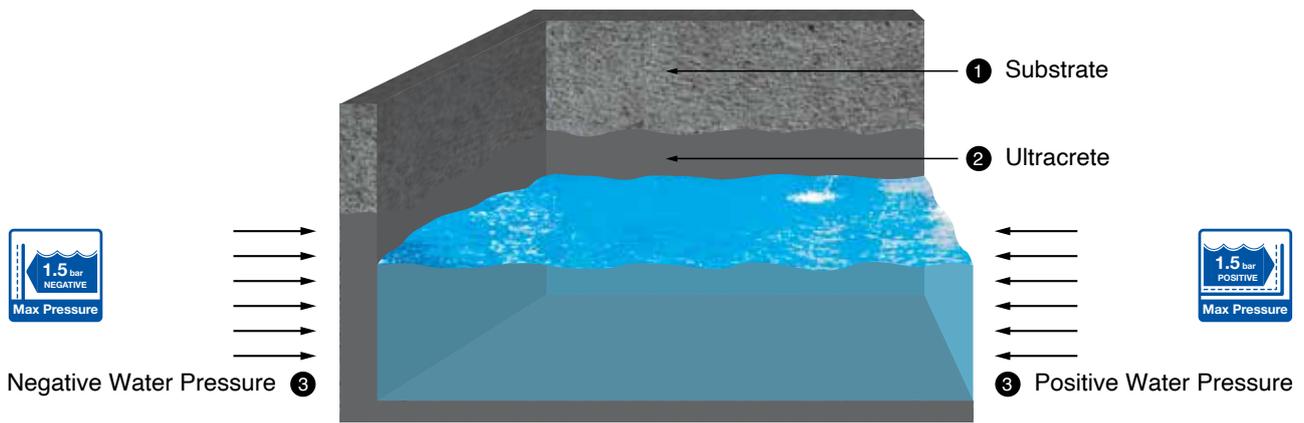
- Application by brush and broom
- Apply onto the freshly prepared substrate in 2 to 3 coats, applying each coat at right angles to each other, to a total thickness of 1.5 to 2.0mm.
- Total consumption is 2.8 to 3.8kg/m² (mixed Ultracrete).
- It is recommended that the total application thickness be 1.5mm under tiles and 2.0mm for exposed areas.
- Leave minimum 6 hours between coats for drying at 25°C.
- Mixed Ultracrete must be used within 1 hour of mixing (do not re-temper with additional water).
- Clean tools and equipment with water immediately after use.



Curing

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%.
- Ultracrete will be surface dry in less than 3 hours at 30°C.
- Allow first coat of Ultracrete to dry for a minimum of 6 hours before overcoating.
- Ultracrete should be left to cure for at least 7 days before water flood testing.
- Tiling work should commence after minimum 3 days of Ultracrete application.
- Protect surfaces from wind and sources of direct heat during application and curing.



Limitations

Do not apply during rising temperatures to avoid the risk of outgassing which results in pin-holing.
 Do not apply on bituminous coatings.
 For exterior areas, do not apply if rain is likely over the next 24 hours.

Technical Information	
Colour	Grey (mixed Ultracrete)
Mixing Ratio	15 kg Powder: 5 kg Resin It is recommended to mix full kits only
Material Consumption	2.8-3.8 kg/m ²
Number of coats	2 - 3 coats
Total Thickness (WFT)	1.5 - 2.0mm (1.5mm under tiles and 2.0mm for exposed areas)
Drying Time	3 hours in normal conditions (mixed Ultracrete). Recoating time 6-8 hours
Water flood testing	After minium 7 days of curing
Tiling work	After minium 3 days of application
Pot life (after mixing)	1 hour @ ambient temperature
Adhesive Strength	>0.5 N/mm ²
Specific Gravity	1.70 – 1.80
Storage	12 months in original unopened packs

For more information please refer to the Terraco Technical Data Sheet or contact your nearest Terraco representative.

Tools



Packaging

Ultracrete is supplied in 20 kg kit (5kg resin in jerrican and 15kg powder in paper bag).





www.terraco.com

SWEDEN • UNITED KINGDOM • IRELAND • RUSSIA • TURKEY • ALGERIA • EGYPT • SOUTH AFRICA • JORDAN • UAE • THAILAND • VIETNAM • CHINA • SOUTH KOREA

Technical Data Sheets and Material Safety Data Sheets are available from your Terraco representative or on www.terraco.com. Although every precaution has been taken to ensure the accuracy of the colours and textures represented herein they should be considered indicative. Products containing natural aggregates may be susceptible to colour variation and we recommend that you order sufficient quantity for the complete project at one time. Terraco does not warrant the accuracy of the information provided herein and all information is subject to change without notice.

© All rights reserved. Terraco Holdings Ltd.