

# BETEC<sup>®</sup> Flex S150

Two-component, flexible, cementitious coating for waterproofing/damp-proofing of new and existing structures

---

## Product Description

BETEC<sup>®</sup> Flex S150 is a flexible, two-part, polymer-modified cementitious waterproofing system. The two components of BETEC<sup>®</sup> Flex S150 are mixed together with a slow speed drill and paddle to form a smooth slurry. The slurry is applied by trowel or brush, in two coats, to form a hard but flexible waterproof cementitious coating.

BETEC<sup>®</sup> Flex S150 can be applied onto damp substrates, internal and external wet areas. The cured membrane is flexible, durable, weather-resistant, and has excellent adhesion to most substrates.

## Applications

- Floor, basement wall and slab
- Swimming pool, water feature
- Bathroom, balcony, wet area and planter box
- Water-retaining structure
- Parking deck
- Sealing pre-cast joint

## Product Advantages

- Resists both positive and negative pressure
- Flexible - will bridge drying shrinkage and hair line cracks
- Seals lightweight aerated blocks and pre-cast joints
- Excellent adhesion to concrete, masonry, ceramics, and most common substrates and does not attack metal
- Non-toxic
- Able to take foot traffic when cured
- Direct plaster or screed without affecting bond



032-031-0457

## Typical Properties

PROPERTY	TYPICAL VALUE	TESTING METHOD
Tensile Strength	≥ 1.8N / mm <sup>2</sup>	ASTM D412
Elongation	≥ 200%	ASTM D412
Adhesion to Concrete	≥ 1.2N / mm <sup>2</sup>	ASTM D4541
Crack Bridging Capability up to 2mm	Pass	ASTM C836
	Pass	ASTM C836
No Crack after 10 Cycle of Stretching and Closing at 1mm Width		

Typical test values represent average values from samples tested in recommended conditions. Refer to Technical Letter 1 for more information.

## Supply

Pack Size	42kg set
Powder Component	25kg
Liquid Component	17kg
Shelf Life	12 months storage in dry condition

## Cleaning

All tools and equipment should be cleaned immediately with clean water after use. Hardened material can only be removed mechanically.

## Installation

### Surface Preparation

- Chase out all holes and voids and fill with appropriate Mortar from GCP Applied Technologies to provide a smooth and level surface; mortar joints should be flush pointed.
- Remove all bitumen, oil, grease, dirt and other surface contaminants by wire brushing and pressure washing. Cut back any protrusions.

### Mixing

- Shake the liquid well and pour around 75% into a clean mixing container.
- Slowly add the BETEC® Flex S150 Powder while mixing.
- Mix until a homogenous slurry, free from all lumps, is formed.
- Scrape any unmixed material from the side of the mixing container with a trowel and mix in.
- Finally, add the appropriate amount of the remaining liquid to achieve the required consistency for application.
- DO NOT USE PART MIXES. DO NOT ADD WATER, CEMENT, SAND OR OTHER MATERIALS.

- It is recommended that mechanical mixing (400 to 500rpm) should be used for 2 to 3 mins to ensure proper dispersion of the components.
- Pre-wet the surface with clean water. Do not allow pooling or ponding.
- Apply the first coat of BETEC® Flex S150 mixed materials onto the prepared surface using a brush, trowel, squeegee or roller in a stifling action.
- Apply the second coat finish depending on site conditions and film thickness required.
- Before applying the second coat in alternate direction, leave the first coat to dry for approximately 2 to 4 hours depending on the thickness.
- If overcoating is done more than 24 hours after applying the previous coat, or the previous coat has already dried out, the surface must be pre-wetted again.

## Coat Thickness and Consumption

Thickness per coat	0.6mm
Coat consumption (min 2 coats)	Approx. 24m <sup>2</sup>
Consumption of 2 coats (kg/m <sup>2</sup> )	Approx. between 1.5kg and 1.7kg depending on substrate condition

## Technical Services

For assistance with working drawings for projects and additional technical advice, please contact GCP Applied Technologies.

## Health and Safety

BETEC® Flex S150 is classified as non-hazardous. Read the product label and Material Safety Data Sheet before use. Protect hands with rubber gloves. Avoid contact with eye and skin. In case of contact, wash immediately and thoroughly with water and seek medical advice.

[th.gcpat.com](http://th.gcpat.com) | Thailand customer service: 66 2 030 9700

Australia 1800 855 525 email: [au.sbmsales@gcpat.com](mailto:au.sbmsales@gcpat.com) New Zealand +64 9 448 1146 China Mainland +86 21 3158 2888 Hong Kong +852 2675 7898 India +91 124 488 5900 Indonesia +62 21 893 4260 Japan +81 3 5226 0231 Korea +82 32 820 0800 Malaysia +60 3 9074 6133 Philippines +63 49 549 7373 Singapore +65 6265 3033 Thailand +66 2 709 4470 Vietnam +84 8 3710 6168

We hope the information here will be helpful. It is based on data and knowledge considered to be true and accurate, and is offered for consideration, investigation and verification by the user, but we do not warrant the results to be obtained. Please read all statements, recommendations, and suggestions in conjunction with our conditions of sale, which apply to all goods supplied by us. No statement, recommendation, or suggestion is intended for any use that would infringe any patent, copyright, or other third party right.

BETEC is a trademark, which may be registered in the United States and/or other countries, of GCP Applied Technologies, Inc. This trademark list has been compiled using available published information as of the publication date and may not accurately reflect current trademark ownership or status.

© Copyright 2017 GCP Applied Technologies, Inc. All rights reserved.

GCP Applied Technologies Inc., 62 Whittemore Avenue, Cambridge, MA 02140, USA

This document is only current as of the last updated date stated below and is valid only for use in Thailand. It is important that you always refer to the currently available information at the URL below to provide the most current product information at the time of use. Additional literature such as Contractor Manuals, Technical Bulletins, Detail Drawings and detailing recommendations and other relevant documents are also available on [www.th.gcpat.com](http://www.th.gcpat.com). Information found on other websites must not be relied upon, as they may not be up-to-date or applicable to the conditions in your location and we do not accept any responsibility for their content. If there are any conflicts or if you need more information, please contact GCP Customer Service.

Last Updated: 2019-05-09

[th.gcpat.com/solutions/products/betec-grouts-and-cementitious-mortars/betec-flex-s1](http://th.gcpat.com/solutions/products/betec-grouts-and-cementitious-mortars/betec-flex-s1)

50