

## CHEMILINK™ SS-224L

### APCC Levelling

#### Description

Chemilink™ SS-224L is a two component, fast-setting, polymer modified self-levelling compound consisting of cements, fillers and additives including special concrete floor hardener content to enhance flowing, setting, hardening and adhesion properties. It is designed for interior as well as exterior floor application.

When mixed, Chemilink™ SS-224L becomes a smooth flowable mixture and is easily applied over new or existing concrete/masonry floors as an interior/exterior underlayment or as a finished floor at thickness of 1 to 10 mm.

#### Typical Uses

- Level or smooth new or old concrete substrates prior to the installation of floor covering.
- Be both indoor and outdoor finished floor of void deck/corridor etc., common and private area.
- Resurface existing concrete floor.

#### Advantages

- Easy to mix and apply
- High flowability
- Fast setting and hardening
- High early strength
- Excellent adhesions to concrete
- Resistance to abrasion
- Anti-cracking under the sunlights

#### Technical Data

- Flow Time: 10 ~ 30 minutes
- Setting Time:
  - Initial Setting: 30 ~ 60 minutes
  - Final Setting: 60 ~120minutes
- Compressive Strength
  - 1 day > 10 MPa
  - 3 days > 25 MPa
  - 7 days > 30 MPa
  - 28days > 40 MPa
- Flexural Strength: > 8 MPa
- Bonding Strength: > 1 MPa
- Walkable: < 2 ~ 3 hours
- Install floor covering: 2 ~ 3 days

#### Substrate Preparation

- The substrates must be clean and sound, free of dust, loose particles, oil, grease, or any other contaminant.
- Cement laitance, loose particles, mould release agent, or curing compound must be removed by high pressure water jetting or other effective methods.
- Defective and unsound substrate has to be removed and repaired prior to application of primer.
- Existing substrate expansion joint is to be continued through the new topping and any moving cracks should be isolated with a movement joint.

#### Priming

Prime the substrate using Chemilink™ SS-232 with a soft push broom, roller or brush prior to the application of Chemilink™ SS-224L. SS-224L should be laid on the primed substrate as soon as possible after primer is touch dry (when form a clear thin film). Should re-prime if the substrate has been primed for more than 18 hours.

Extremely absorbent surfaces may require a second coat of Chemilink™ SS-232.

#### Mixing

Pour SS-224L Part B (liquid) and water into a clean container up to 5.5 ~ 6.0 liters. Then add one bag of Chemilink™ SS-224L Part A (25kg powder) slowly while mixing with an electrical paddle according to the application purposes and environmental conditions. Mix thoroughly for about 2 to 3 minutes to obtain a homogeneous lump-free mixture. Do not overwater and avoid entrapping air during mixing.

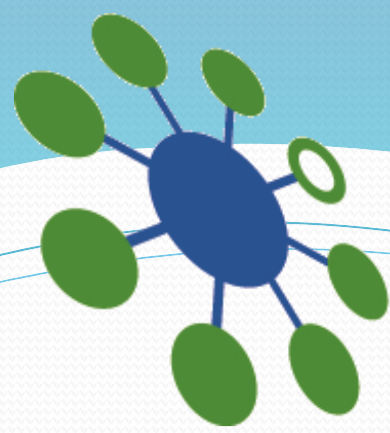
#### Application

Immediately after mixing, pour the mixture onto the primed floor and spread with a suitable tool. Immediately smooth the material with notched squeegee and release any entrapped air with spiked roller. To ensure uniform and level surface, the material must be continuously spread and smooth.

Chemilink™ SS-224L is a rapid setting product. The mixture must be used within flow time after mixing.

For placement of more than one layer, 4 to 6 hours curing time interval is recommended for each subsequent layer.

Chemilink™ SS-224L can be walked on 2 to 3 hours after application. Floor coverings can be installed after 2 to 3 days of curing.



# CHEMILINK

ZERO WASTE ENGINEERING

## CHEMILINK™ SS-224L

### APCC Leveling

#### Packaging and Coverage

**Packaging:** Part A 25kg/bag Part A

Part B 5kg & 20kg/pail, 150kg/drum

**Coverage:** One 25kg bag of SS-224L will cover approximately:

- 17 m<sup>2</sup> at 1mm thickness
- 3.5m<sup>2</sup> at 5mm thickness

#### Colours

Light Grey

#### Cleaning

Tools and equipment should be cleaned with water before the mixture hardens.

#### Storage

Chemilink™ SS-224L can be kept for 3 months from the date of manufacture if stored in original unopened packing in a cool dry place.

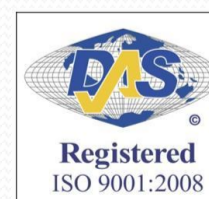
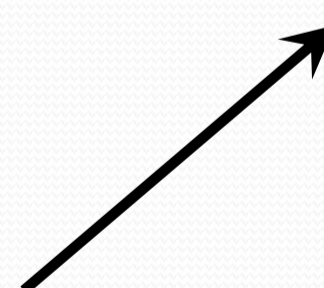
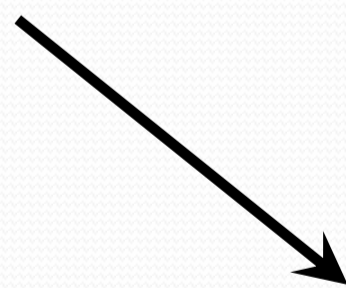
#### Health and Safety

Product is classified as non-hazardous.

Product is alkaline. Protect hands with rubber gloves.

Avoid contact with skin and eyes. Any splashes to skin and eyes, flush with water.

For detailed information, please follow instruction on the product Material Safety Data Sheet.



Cert No 80091



Cert No 64916/SGIA/90002



*Our technical advice on the uses of our materials is given without obligation. The buyer is responsible for the application and processing of our products, and he is also liable for observing any third party rights. Technical data concerning our products are typical values.*

### CHEMILINK™ TECHNOLOGIES & PRODUCTS

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