

CHEMILINK™ SS-222

Cement-Based Self-Levelling Compound

Description

Chemilink™ SS-222 is a single component, fast-setting, polymer modified self-levelling compound consisting of cements, fillers and additives to enhance flowing, setting, hardening and adhesion properties.

When mixed with water, Chemilink™ SS-222 becomes a smooth flowable mixture and is easily applied over new or existing concrete floors as an interior 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 indoor finished floor
- 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

Technical Data

- Mix Ratio: 5.0 ~ 5.5L of water per one 25kg bag
- Flow Time: 10 ~ 30 minutes
- Setting Time:
 - Initial Setting: 30 ~ 60 minutes
 - Final Setting: 60 ~ 120 minutes
- Compressive Strength
 - 1 day > 10 MPa
 - 3 days > 25 MPa
 - 7 days > 30 MPa
 - 28 days > 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, and allow it to dry to a clear thin film (for at least 1 hour) prior to the application of Chemilink™ SS-222. Extremely absorbent surfaces may require a second coat of Chemilink™ SS-232.

Mixing

Mix each 25kg bag with 5.0 ~ 5.5L liters of water according to the application purposes and environmental conditions. Pour the water into the mixing container first, then add one bag of Chemilink™ SS-222 slowly while mixing with an electrical paddle. Mix thoroughly for about 2 to 3 minutes to obtain a homogeneous lump-free mixture. Do not overwater and avoid entrapping air during mixing.

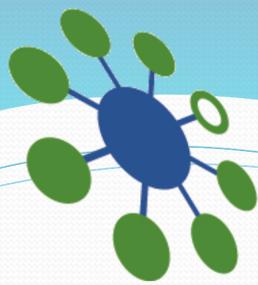
Application

Immediately after mixing, pour the mixture onto the 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-222 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-222 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

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Packaging and Coverage

Chemilink™ SS-222 is supplied in 25kg net weight bags

Coverage: One 25kg bag of SS-222 will cover approximately:

- 7.5m² at 2mm thickness
- 5.0m² at 3mm thickness
- 3.0m² at 5mm thickness

Colours

Light Grey

Cleaning

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

Storage

Chemilink™ SS-222 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.



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