

# CHEMILINK™ SS-134

## High Performance Polymer Modified Mortar

### Description

Chemilink™ SS-134 is a two-part, high performance polymer modified mortar. Part A is the grey powder consisting of special cements, graded silica sand and other additives to achieve good workability, good adhesion and high strength. Part B is the milky-white emulsion consisting of polymer latex and other appropriate additives. SS-134 is recommended to be used as wear resisting, anti skid and high strength coating for concrete surface. It is designed to cover surfaces of **3 to 5mm thick** per single placement. It is NOT for structural purpose.

### Typical Uses

- Concrete road surfaces;
- Car parks.

### Advantages

- High compressive and tensile strength ;
- Excellent adhesions to concrete substrate;
- Good skid resistance for foot and vehicle traffic;
- Good flexibility and overall durability;
- Easy to use;
- Labor cost savings.

### Technical Data

- Compressive Strength (ASTM C109: 02): 60 ~ 80MPa
- Flexural Strength (ASTM C348: 02): 15 ~ 20MPa
- Tensile Strength (ASTM C307: 03): 6 ~ 7MPa
- Skid Resistance (ASTM E303: 03): 104 BPN
- Shear Bond Adhesion (ASTM C482: 02): 2.1MPa
- UV Exposure (ASTM 154: 00)
  - 500 hours: No cracks, softening or delamination
  - 1000 hours: No cracks, softening or delamination
- Water Penetration @ 0.4kgf/cm<sup>2</sup> (bar) for 6 hours (DIN 1048: Part 5: 91): 0, No water penetration
- Identification of Polymer (FTIR): No trace of PVAs
- Setting Time (Vicat) (ASTM C191: 01): 1 – 2 hours

### Surface Preparation

The surface of the area to be treated should be clean and free from dust, dirt, grease and/or other loose contaminants. Pressured washing is recommended for this surface cleaning task. All concrete substrates must be structurally sound and all cracks must be routed out and repaired with appropriate repair compounds.

Once the area is clean, brush or roll Chemilink™ SS-232 (primer) evenly onto the surface. Depending on the environment, it may take approximately 5 to 30 minutes for the primer to become touch-dry.

Note that the primer is designed to improve adhesion; to prevent the coating material from de-bonding and to prevent pinholes on the finished surface. **Use the original primer from the container – do NOT dilute; do NOT blend with any other product.** Stir the primer contents well before use. The primer should be re-applied if the primer-treated surface is disturbed or it has been primed for more than 6 hours.

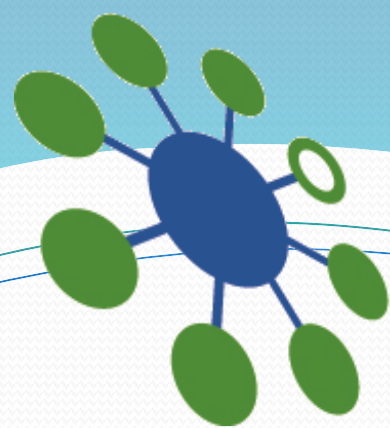
Under the conditions that the ground (surface to be treated) temperature is above 45°C, the surface should be wetted and cooled down to avoid flash set of the primer.

### Mixing

When the primer is touch-dry, add approximately 4~5 L of SS-134 Part B (liquid) to a clean bucket or pail (capacity of 20 L) , and then slowly add a 25 kg bag of SS-134 Part A (powder) while it is being electrically stirred. **Do NOT add Part B (liquid) to Part A (powder).** Ensure 2 to 3 minutes of mixing time till the mixture is homogeneous and lump-free.

Note that electric stirring (mixing gun or other mechanical stirrer with rotation speed of 1300 rpm) is highly recommended. Concrete mixers or hand mixing are not suitable mixing methods.

Clean mixers and tools thoroughly immediately after each batch to avoid material buildup. Use clean equipment for mixing. For any additional instructions that are not covered above, please kindly contact the product principal.



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#### Placing and Finishing

After mixing, place the mortar mixture onto the primed surface; move it to position with an underlayment spreader. SS-134 may be placed for a thickness between **3 mm and 5 mm**.

For anti-skid surfaces, broom the finishing surface to a desired texture after the placement of mixture.

#### Curing

It is essential that all exposed areas are properly cured with wet hessian, polythene sheet or curing compound after the surface is dry.

#### Packaging and Coverage

Chemilink™ SS-134 is supplied in the following packs:

Pack Size	Part A (Powder)	Part B (Liquid)
30kg	25kg/Bag	5kg/Can

#### Coverage

The recommended thickness is **3 to 5 mm per layer**. For placement of more than one layer, each subsequent layer should only be placed after the previous layer has been hardened (a minimum of 24 hours). One 25 kg bag of SS-134 yields approximately 0.0135m<sup>3</sup> or 13.5 liters, and cover approximately:

- 13.5m<sup>2</sup> at 1 mm thick
- 4.5m<sup>2</sup> at 3 mm thick
- 2.7 m<sup>2</sup> at 5 mm thick

#### Cleaning

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

#### Storage

Chemilink™ SS-134 can be kept for 6 months from the date of manufacture if stored in original unopened packing in a cool dry place.

#### Health and Safety

SS-134 is cement based, alkali in nature and non-hazardous. It is recommended that applicators wear PVC or equivalent gloves and safety goggles when using SS-134. In case of eye contact, wash thoroughly with clean water and if irritation persists, please seek medical treatment immediately.