



# EpiMax 2135

## Lithium Based Densifier

### Description

EpiMax 2135 Lithium Based Densifier is an economical product capable of providing longer life and higher reflectivity for ground and polished concrete floors of all types. Special inorganic reactive chemistry generates additional cementing agents that physically increase the strength of the surface concrete and fill the micropores to decrease porosity and increase abrasion resistance. This mechanism occurs by reacting with the free lime within the concrete itself to harden and densify the wearing surface.

Being a lithium hybrid based product, EpiMax 2135 has less tendency for the formation of crystalline deposits on the surface if applied at too high a level or not adequately broomed into the surface.

The lower tendency to form crystalline deposits reduces both the wear and the clogging of diamonds.

Typically, there is less need to wash excess material from the surface to prevent crystalline deposits. Hence there are cost savings in terms of less wasted product and less potential escape to the environment.



### Advantages

- Penetrates deeply
- Protects against scratching or peeling
- Improves light reflectance
- Ready to use from container and easy to apply
- Indoor or outdoor use
- Lithium based
- Provides a permanent, attractive sheen with the ability to polish
- Will not yellow, discolour, or show traffic wear marks
- May be burnished
- Saves time on the polishing/burnishing process
- Environmentally safe, non-hazardous
- Accelerates the concrete polishing process, saving time and costs

### Typical applications:

- Residential
- Retail centres
- Parking garages
- Commercial centres
- Lobbies & corridors
- Transportation terminals

### Typical properties:

- Light foot traffic: 3 - 4 hours approx. (25 deg C)
- Durability: Suitable for external exposure
- Wheeled vehicles: 24 hours approx. (25 deg C)
- Top coat adhesion: Excellent (with normal surface preparation)

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## **Estimating data**

15 ltr EpiMax 2135 = 120 - 150 m<sup>2</sup> depending on porosity

## **Application**

For salt and pepper, use an initial grind with 120 metal bonded diamonds. Simultaneously grout as necessary with EpiMax 3500 Liquid Grout for Polished Concrete.

For full exposure, start at 30/40 metal bonded diamonds and then use 60/80 for scratch removal. Then proceed to 120 metal bonded and simultaneous grouting.

Apply EpiMax 2135 to the slab with a low-pressure hand sprayer, mop or soft bristle brush or broom. Application rate varies depending on porosity of the concrete and climatic conditions. Sometimes, dense or steel trowelled concrete may have a lower absorption rate, whereas older slabs may be more absorbent.

Flood onto the surface as a mirror-like wet liquid film for 20 minutes to ensure maximum absorption. Do not puddle.

Re-apply wet-on-wet if necessary. Avoid over-applying the sealer if the surface starts to dry off. Broom out puddles of excess material after 20 minutes.

Allow to dry overnight and inspect.

Commence the polishing process after a "lick" coat of EpiMax 2135 using 50 resin bonded diamonds. Continue this process with finer and finer resin bonded diamonds and further "lick" coats until the desired polish level is achieved.

## **Packaging**

EpiMax 2135 is available in 15 litre packs.

## **Safety precautions**

Read **Material Safety Data Sheet** before commencing any application. Keep away from children. Avoid contact with skin and avoid breathing vapour. Always provide adequate personal protection (gloves & goggles etc) during use. Always provide adequate ventilation, especially in confined spaces. If poisoning occurs, call Doctor or Poisons Information Centre.

Phone 13 11 26. If swallowed, DO NOT induce vomiting. Give plenty of water or milk. If skin contact occurs, quickly remove contaminated clothing and wash affected areas thoroughly with soap and water.