



EpiShine

Lithium Based Densifier with Shine

Description

EpiShine Lithium Based Densifier with Shine is a combined densifier and shine used for polishing concrete slabs. The lithium densifier is chemically activated by the alkaline nature of concrete to solidify and seal voids. This chemical reaction produces a smoother, denser surface for easier grinding and polishing techniques. The product penetrates through concrete capillaries and is used to reduce water vapour transmission through the slab.

EpiShine, being lithium based, has less tendency to 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 the wear on and clogging of diamond grinding discs.

Typically, there is no need to wash excess material from the surface to prevent crystalline deposits hence cost saving in terms of wasted material and benefit of reduced escape of material to the environment.

Additionally, EpiShine, includes an added organic system to increase the sheen level of finished floors.



Advantages

- Hardens and densifies concrete
- Does not yellow or discolour
- Easy penetration for ease of application
- Environmentally safe and non-hazardous
- Increases light reflectivity
- Improves surface sheen
- Improves surface stain resistance
- Reduces hairline cracking
- ZERO VOC content
- Reduces maintenance costs

Typical properties:

- Type solids - contains lithium silicate
- Viscosity - water like
- Specific gravity - 1.10
- Odour - None
- Light foot traffic - 2 to 3 hrs
- Flashpoint - none
- pH - 10.9
- Colour - Clear
- Surface breathable - Yes
- Wheeled traffic - 24 hours

Estimating data

Typical application rate on ground concrete is 15 - 30 m²/litre.

Typical rate for burnished slabs is 15 - 20 m²/litre.

Typical rate on broom finish concrete is 10 - 15 m²/litre.

For best results we recommend two coats.

General application comments

EpiShine is designed to be used at the final stage of the polishing/buffing process.

We recommend that EpiMax 2135 Lithium Based Densifier is applied firstly to the slab between the preliminary grinding and the final polishing steps to densify the available reactive chemistry in the concrete.

EpiMax 2135 can be applied with a low pressure hand sprayer, mop or soft bristle brush/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.

When reaching the final stages of the polishing process apply EpiShine in a similar process to provide a shine to the final polished surface.

Again, application rate varies depending on porosity of the concrete and climatic conditions.

Ensure excess EpiShine is buffed off the surface.

Packaging

EpiShine is available in 15 L packs.



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