



EpiMax 2125

Penetrating Surface Hardener

Description

EpiMax 2125 Penetrating Surface Hardener is a water based, penetrating surface hardener for concrete floor slabs. 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. This process can increase the abrasion resistance and reduce dusting of the slab.

This product is ideal for use in warehouses, distribution centres and car parks.

EpiMax 2125 provides long lasting protection while not affecting the appearance.



Advantages

- Single pack
- Quick return to service
- Externally durable
- Water vapour permeable
- Cost effective
- Improves chemical and abrasion resistance
- Water based
- Maintenance free
- Excellent penetration
- Low VOC - meets "Green Star Building" code
- Does not alter the texture or look of the original surface
- Suppresses concrete dust

Typical applications:

- Warehouse facilities
- Manufacturing facilities
- Commercial centres
- Distribution centres
- Parking garages
- Roadways and highways

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)

Estimating data

15 ltr EpiMax 2125 = 75 - 150 m² 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 2125 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.

If excess product is allowed to dry on the concrete surface, a white residue will form that can only be removed by mechanical means such as grinding or sanding. Prevent this by completely removing any excess from the surface when application is complete.

Allow to dry overnight and inspect.

Commence the polishing process after a "lick" coat of EpiMax 2125 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 2125 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.