

DESCRIPTION

- Dust-proof, water-based, glossy, lithium silicate-based, liquid surface hardener designed for application on concrete and cement-based floors.

INTENDED USES

- Factories,
- Storage areas,
- Aircraft hangars,
- Garages,
- Used in shopping centres and car parks.

PROPERTIES

- Single component, easy to apply.
- Can be applied on old and new concrete surfaces.
- Abrasion resistance is high and hardness increases over time.
- By penetrating into the concrete, it reacts with lime (calcium hydroxide) that causes the concrete to dusting and hardens the surface by preventing the concrete from dusting. As it fills the pores in the concrete, it also increases water impermeability.
- The surface applied with **LTY / Lithium silicate based surface hardener** is opened to pedestrian traffic after 1-3 hours.
- Fully hardening time is 7 days.
- LTY / Lithium silicate based surface hardener** does not require another coating after application.
- Dust impermeable.
- Water based.
- Has a transparent and bright appearance.
- Water repellent.
- Provides ease of cleaning.
- Does not scatter and flake off.

SURFACE TREATMENT

- The surface must be free of residues (dust, oil, paint residue) that will prevent adhesion.
- Surface preparation is made by cleaning with diamond discs together with wiping and polishing machines.

APPLICATION

- LTY** is applied to cement-based floors such as concrete or screed by spraying method, roller or brush.

TECHNICAL DATA

Colour	: Transparent
Appearance	: Liquid
Chemical substance	: Lithium silicate (CAS NO: 12627-14-4)
Drying time	: 1-3 hours
Fully curing / curing time	: 7 days (23°C)
Application temperature	: (+2°C) - (+40°C)
Density	: 1.05 g/mL
pH	: 11.2±0.5 (20°C)
Freezing point	: 0°C
Flash point	: None
VOC	: <20 g/L

- These values are obtained under laboratory conditions [(23±2) °C temperature, 50% relative humidity] and may differ due to worksite conditions.
- MYFIX YILDIZ YAPI KİMYASALLARI SANAYİ VE TİCARET LİMİTED ŞİRKETİ** is not responsible for the application errors that may arise if the application conditions and precautions outlined above are not followed for the purpose of the product.

WARNINGS AND RECOMMENDATIONS

- The product should not be diluted with solvent and water.
- It should not be used to renew the crumbling concrete.
- Surfaces with temperature fluctuations and exposed to high temperatures must be saturated with water.
- Second and third layers can be applied on highly absorbent surfaces.
- Immediate shine is achieved with a polishing machine where it is desired.
- Gives better application results on fresh / new concrete.
- Do not use acidic chemical cleaners after application.
- Fresh / new concrete class should be C25 and screed strength should be at least CT-C25-F5.
- LTY / Lithium silicate based surface hardener** product is not harmful to health after drying.

CONSUMPTION

- 150-200 g/m²

SHELF LIFE

- Shelf life of an unopened package stored in a dry, cool place is 12 months from the date of manufacture.

PACKAGING

- 30 Litre Plastic jerrycan

QUALITY CERTIFICATES

- In accordance with **TS EN 1504-2** and **TS EN 13813** standards.



THE INTERNATIONAL EPD® SYSTEM

Yıldız Yapı Kimyasalları San. ve Tic. Ltd. Şti.

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