



Sodium Silicate Based Surface Hardener SSY-20

It is a material which gives permanent hardness as a result of its interaction with cement as it penetrates the cement surface.

Areas of Use

It is used in areas such as inner and outer cement based, surfaces that can be exposed to mechanical abrasion, factory, storage areas, loading and unloading areas, aircraft hangars, helipad.

Specification

- Forms a protective surface layer that is breathable, dense and abrasion resistant.
- Penetrates deep inside the concrete capillaries chemically reacting with the free lime forming a permanent insoluble bond with the concrete.
- Gives no disturbing odor during the application.
- Will not scratch or peel.
- Is a colorless.
- It gives permanent hardness to the applied surface.

Application

Bianca Sodium Silicate Based Surface Hardener application by spray, roller or brush to new or old concrete. The applied surface should be wet for 30 minutes. Apply again in case of quick dry. At the end of 30 minutes when it turns into gel (30 minutes approx.) apply the surface with floor cleaning machine or soft fur brush. Should be applied twice. After the second time there has to be no slippery surface. The surface should be as an exposed concrete.

Thinning (Volume)

Ready to use.

Drying Period (20°C)

Depending on weather conditions
Set totouch: 1 - 2 hours
Final Drying: 7 days
Full brightness 30-90 days

Coverage

Approx. 200 - 400 g/m² per layer (depending on the surface's absorbency and roughness).

Storage

Shelf life is 1 years when stored unopened, dry and cool conditions.

Packing

20,00 lt

Consideration

- Don't apply on the surface of lightweight concrete blocks, pervious walls and floor claddings.
- Remove the previous applied floor cladding until its base before applying new.
- Don't apply on glass or similar surfaces.
- Glossiness increases in permanently cleaned surfaces over time.
- Causes skin damage in case of contact.
- Don't apply on freezing or frost potential weather
- Protect applied surface from rain, frost, pedestrian traffic and high humidity.

- Don't apply at +5 °C or lower and +35 °C or higher temperature.
- Protect surface from traffic in the next 24 hours after application.

Hazard Classification

- Skin Irritation 2 H315: Causes skin irritation
- Eye Irritation H318: Causes serious eye damage.

Precautionary Statements

- Precautions

P280: Wear protective gloves / protective clothing / eye protection / face protection.

- Intervention

P302+352: IF ON SKIN: Wash with plenty of water and soap.

P305+351+338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing.

P332+P313: If skin irritation occurs: Get medical assistance / attention.

P337+313: If eye irritation persists get medical advice/attention.

P310: Fatal in contact with skin.

Warning Word

Danger

Hazard Signs

