



Arina Polymer

شرکت آرینا پلیمر

تولید کننده انواع اپوکسی های ساختمانی

Arina-patch HSS 100

Hardening suspension silica, capillary crystallization and dust proofing liquid

Introduction:

Arina-patch HSS 100 is a single component is low viscosity liquid based on solution of suspension silicate plus surface active chemicals for application to concrete. It hardens concrete surfaces when penetrating in capillaries and micro crack.

Mode of action:

Arina-patch HSS 100 reacts with calcium and free lime produced during hydration of the cement, to form hard insoluble crystals thus binding the particles together and sealing capillaries and micro cracks to form a hard, non-dusting, impermeable and low erosion surface.

Where to use:

Arina-patch HSS 100 is specially formulated to be used on concrete pavement and floors such as:

- Normal and compacted road pavement.
- Factories.
- Garages.
- Industrial units.
- Docks and jetties.

Technical information:

Appearance	Light Blue liquid
PH	12.5
Specific gravity	1.25 to 1.3 kg/l
Service temperature	-35 °C to +90 °C
Application temperature	Above +5 °C

Advantages:

- Permanent treatment.
- New or old floors can be treated.
- Simple and easy to use.
- Used straight from the container.
- Economical.
- Reduces ingress of water borne salts such as chlorides and environmental chemical attack.

Surface preparation:

No special preparation is required on new concrete, but wire brushing is recommended to remove curing compound and opening capillaries. Old surfaces require special preparation. Remove all oil, grease, etc. using a degreasing solution. Brush the floor with a hard broom or wire brush.



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Remove dust and loose particles using an industrial vacuum cleaner. If wetting of the floor has taken place during preparation it must be allowed to dry out before application.

Mixing:

Arina-patch HSS 100 is supplied as ready to use single component product and needs stirring before use.

Application method:

New concrete should be allowed to fully cured. Stir *Arina-patch HSS 100* before use. Pour evenly or use a plastic watering can to sprinkle the product over the surface of the concrete. Then sweep backwards and forwards over the floor to ensure even penetration. Any materials not totally absorbed into the concrete should be removed.

24 hours after initial treatment, apply a second coat in a similar manner, a day after the final coat, wash down the floor using clean water. The floor can be walked on and used during the treatment period.

Dense floors:

Hard compacted / power floated surfaces may not have sufficient porosity to allow absorption of this product. Prior to treatment test for absorption of water. If concrete is absorbent, test a small area with diluted material to see whether penetration is achieved, then proceed accordingly.

Curing:

No curing is required.

Material consumption:

Approximately 250 to 500 gr./ m² , depending on concrete porosity.

Cleaning:

Application tools and equipment should be washed with water after completion of each job or at break time. Cured material can only be removed mechanically.

Storage / Shelf life:

Store out of direct sunlight, and protect from rain fall. The shelf life for originally unopened package is 12 months from date of production.

Packaging:

Arina-patch HSS 100 is available in 30 and 230 Kg. drums.

Safety precautions:

Arina-patch HSS 100 is not poisonous or dangerous, but like all chemical materials, this product may cause irritation. Use personal safety devices such as gloves and goggles. If contacted with eyes or mucous membrane, wash immediately with plenty of water and seek medical attention.