

PRODUCT DATA SHEET

PRODUCT NAME

Raymix – CSHDP (Concrete Sealer, Hardener & Dustproof)

MANUFACTURER

Société Raymond Barakeh SAL.
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DESCRIPTION

Raymix-CSHDP is a water based deep penetrating silicate liquid hardener for treating the surface of cementitious substrates. It penetrates into the porosity and chemically reacts with the free lime on the surface of the concrete to seal, dustproof and harden substrate forming a dense microstructure which is chemically durable and resistant to abrasion.

When properly applied, Raymix CSHDP offers substantial improvement in abrasion and chemical resistance. It will significantly improve the durability of the concrete surface when compared to untreated concrete. As it is applied and penetrates into the concrete surface, a chemical reaction takes place, producing a by-product that fills in the pores of the concrete. This process produces a substantially denser concrete surface with enhanced durability. In addition to the densifying and hardening action, Raymix-CSHDP also solidifies the concrete, eliminating dusting and pitting.

APPLICATION FIELDS

- New and old concrete/cement.
- Based floors.
- Screeds.
- Shopping centers.
- Paving in factories.
- Car parks & Garages.
- Domestic dwellings.
- Industrial floors
- Parking.
- Facade panels.
- Terraces.
- Stones.

FEATURES

- May be applied to old & new concrete.
- Penetrates substrates and reacts quickly to produce better hardness.
- Provides better abrasion resistance.
- Improves performance, appearance and light reflectance of new or old concrete.
- Breathable and UV stable. Will not yellow, discolor, peel or flake.
- Non-flammable.
- Non-toxic.
- Low odor.
- Cures quickly. Most floors can be opened to traffic within one hour of treatment.
- Treated surfaces are easy to maintain.

PHYSICAL AND CHEMICAL CHARACTERISTICS

Appearance	Clear Liquid
Specific gravity	1.10 - 1.15 gr./cm ³
Shelf Life	24 months from date of manufacture.
pH Value	~ 10
Storage Life in Manufacturer's drums	12 months from date of manufacture.
Storage conditions	Store at 5 - 25°C in cool dry conditions away from direct sunlight. Store away from children. Protect from frost.
Consumption	3.5 – 5.0 m ² /litre per coat, depending on surface nature.
Waiting Time / Overcoating	24 hours

The information and data given is to the best of our knowledge reliable, but is given without obligation.

APPLICATION

Raymix – CSHDP (Concrete Sealer, Hardener & Dustproof) should be applied by brush, roll or low pressure spray at a rate of 1 litre per 3.5 - 5 square metres, evenly over the floor to be treated in 2 coats applied 24 hours apart.

Unusually poor, soft, dusty floors may require subsequent coating. Allow second coat to dry for 24 hours then hose down entire surface with cold, clean water in order to remove any unreacted surplus material.

Allow at least 21 days before treating new concrete.

Raymix – CSHDP (Concrete Sealer, Hardener & Dustproof) will not restore badly disintegrated concrete.



LIMITATIONS

Failure to thoroughly wash and remove all excess material from floor surfaces may result in unsightly white stains.

Immediately wash off over-spray from glass, aluminium, or highly polished surfaces with water to avoid etching of surfaces.

Raymix – CSHDP may not work when concrete has been batched with insufficient amounts of cement.

STANDARDS & NORMS

Raymix- CSHDP conforms to: **ASTM C1315- Type 1.**

QUALITY STANDARDS

Raymix- CSHDP conforms to ISO 9001.

TECHNICAL SERVICE

The Technical Department is available to assist you in the correct use of our products and its resources are at your disposal entirely without obligation.

DISPENSING

It is preferable that liquid admixtures for concrete should be introduced into a mixer by means of automatic dispensing equipment details of which are available upon request.

HEALTH & SAFETY

For further information see the Raymix- CSHDP Material Safety Data Sheet, or consult Société Raymond Barakeh SAL.

Raymix- CSHDP is strongly alkaline:

Avoid contact with skin and eyes.

- Wear protective goggles, impervious footwear and gloves when handling
- If poisoning occurs seek medical advice. If swallowed, do not induce vomiting, give glass of water

PACKAGING

Raymix- CSHDP is supplied in 25, 210 and 1000 litres free, non-returnable containers.

Alternatively, bulk deliveries can be arranged.

STORAGE

Raymix- CSHDP requires should preferably be stored protected from frost. If the product does become frozen it should be carefully mixed after thawing out to restore it to its normal state facilities.

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PRODUCT WARNING

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