



1.0 Description:

- PROTOCRETE A is a cement base dry powder consists of special well graded aggregates.
- Gives a highly finished wearing surface that contains a higher percentage of aggregates than conventional floor.

2.0 Uses:

- Used generally in concrete floors that is subjected to high mechanical wear.
- Improves resistance to abrasion and inhibits dust formation.
- Suitable to apply indoor and outdoor ex: Workshops, Car parks, service stations, garages, warehouses, quays, traffic lanes, etc

3.0 Approval & Certification:

Shall be available on request

4.0 Colours:

Grey Cementous and coloured.

5.0 Product Data:

Binder : hydraulic
Density : 1.9 kg/m³

6.0 Film Thickness:

PROTOCRETE A shall not give any thickness as it shall be embedded within the concrete surface.

Note: Degree of penetration depends on the application system.

7.0 Consumption per coat:

Consumption : 4.0 – 6.0 kg/m²

Note: Above consumptions depend on application system, colors and floor irregularities

8.0 Surface Preparation:

- Applied on R.C concrete (reinforced concrete) or P.C concrete (plain concrete).
- Slump of concrete shall be between 70 to 110 mm.
- The compressive strength must be a minimum of 25 N/mm².
- Cement shall be from 300-350 kg/m³ and the screed should be at least 12 cm.
- Air Entrained Concrete is not suitable for surface hardener applications.

9.0 Application Methods:

1. Compact the surface using floating tool.
2. The concrete surface should be levelled.
3. If any significant amount of bleeding water is present, it must be removed.
4. Apply 1/2 PROTOCRETE A over the concrete surface, then trowel using trowelling machine, so that PROTOCRETE A is completely integrated with surface.
5. Apply the remaining 1/2 of PROTOCRETE A over the surface and smooth the surface using trowelling machine blades at minimum angle.



Notes:

- *Keep Trowelling the sprinkled PROTOCRETE A after each stage, till the surface darkens and all the powdered is well moisturized with water.*
- *Temperature of the substrate should be min 10°C and below 25°C*

10.0 Weight and Product mixing Ration by weight:

Container	: Double Sealed plastic bags
Weight	: 25.00 kg

11.0 Pot life, Drying and curing time:

Initial Curing Time	: After 24 hours of mixing.
Curing Treatment	: Moist curing is recommended for the first 24 – 48 hours according to ambient temperature.
Final Curing Time	: After 28 days at ambient temperature.
Pot Life	: 30 min. at 24°C

Notes: Temperatures below +20 °C extend the drying times.

12.0 Recoating:

- In general recoating is not recommended on surface hardener finishings specially for epoxy products.
- If needed, concrete surface shall be treated both chemically and mechanically to ensure good adhesion.

13.0 Disclaimer:

- The information in this document is given to the best of our knowledge, based on laboratory testing and practical experience. We cannot guarantee anything but the above-mentioned quality of the products themselves. Minor product variations may be implemented to comply with local requirements. We reserve the right to change the given data without further notice. Users should always consult us for specific guidance on the general suitability of this product for their needs and specific application practices.
- Samples of any approved delivered materials shall be retested after delivery.
- These products are for professional use only. The applicators and operators shall be trained, experienced and have the capability and equipment to mix/stir and apply the coatings correctly and according to our technical documentation. Applicators and operators shall use appropriate personal protection equipment when using this product. This guideline is given based on the current knowledge of the product. Any suggested deviation to suit the site conditions shall be forwarded to our responsible representative for approval before commencing the work.

14.0 Handling of Cement Products:

- Avoid contact with eyes and skin. Emergency showers and eyewash stations should be readily accessible.
- Adhere to work practice rules established by government regulations.
- Use personal protective equipment.
- When using, do not eat, drink, or smoke.

15.0 Compatibility:

- Recoating is not recommended.

16.0 First aid Measures:

- General advice: Seek medical advice. If breathing has stopped or is laboured, give assisted respirations. Supplemental oxygen may be indicated. If the heart has stopped, trained personnel should begin cardiopulmonary resuscitation immediately.
- Eye contact: Hold eyelids apart, initiate and maintain gentle and continuous irrigation until the patient receives medical care. If medical care is not promptly available, continue to irrigate for one hour.
- Skin contact: Immediately remove contaminated clothing, and any extraneous chemical, if possible, to do so without delay. Initiate and maintain gentle and continuous irrigation.
- Take off contaminated clothing and shoes immediately.
- Ingestion: Do not induce vomiting without medical advice. Never give anything by mouth to an unconscious person.
- Inhalation: Move to fresh air.

17.0 Storage:

- Store above ground and surrounded by dikes to contain spills or leaks.
- Do not store in humid or extra hot weathering conditions.
- Keep containers tightly closed away from heat & in dry, cool, and well-ventilated place.