

CIKOshield P

Solvent Based pigmented Acrylic Floor and Wall Sealer

Description

CIKOshield P is a polymer base film forming product designed to be used internally and externally over plaster, masonry surfaces, stamped concrete, natural stones, and concrete floors.

Dried and cured CIKOshield P coating enhances colour retention and resistance to fading. It also provides stain protection, reduces surface water absorption, efflorescence migration and related freeze thaw damages.

CIKOshield P is a blend of special grade of acrylic dispersed in solvent along with other additives and pigments in perfect proportions to attain all the properties required for an ideal sealer.

Properties

- Single component system.
- Available in wide range of colours.
- Available in gloss and matt finish.
- Easy to apply (spray, brush or roller).
- Enhance colour and gives glossy wet appearance.
- Forms stable film on the surface to provide excellent sealing properties.
- Non-staining and dust proof.
- Non-yellowing and UV stable.
- Reduces algae and moss growth.

Application area

CIKOshield P is a high quality film forming sealing compound suitable to be applied as finishing coat over:

- Concrete surfaces such as stamp concrete, exposed aggregate concrete.
- Masonry surfaces, interlock and porous bricks.
- Internal and external applications including swimming pools area and gardens pavers.

Physical properties

| | |
|---|--------------------------|
| Form | Liquid |
| Colour | Available in wide range. |
| Density | 0.96 ± 0.05 g/mL |
| Solids Content | 47.5 ± 2% |
| Tack free time | <20 mins @25°C |
| | <15 mins @30°C |
| | <8 mins @40°C |
| Abrasion Resistance ASTM D4060 (CS10,1kg,1000cycles) | <0.08mg (Index: 0.08%) |
| Pull off Bond Strength to concrete, stones, stamp concrete. | >2 MPa |

Chemical & Stain Resistance

CIKOshield P is resistant to a wide range of chemicals when tested in Accordance to ASTM D543. Specific data is available on request. Resistance to occasional spillages include:

| Test Solution | Test Conditions | Observation & Test Result |
|----------------------------|-----------------------|---|
| Sulphuric acid | 23± 2°C (7 days) | No Characteristics Observed (Resistant) |
| Hydrochloric Acid | | |
| Acetic Acid | | |
| Sodium Hydroxide | | |
| Stain Solution | Test Conditions | Observation & Test Result |
| Vinegar | Patching for 24 hours | No Stain |
| Soap | | |
| Detergent | | |
| Grease | | |
| Acetic acid | | |
| Food & coffee | | |
| Mayonnaise and Ketchup | | |
| Hot & cold Distilled water | | |

Coverage

1 L of CIKOshield P provides coverage of 10 m² at a thickness of 50 microns dry film thickness. It is recommended to apply 2 coats CIKOshield P each at 50 microns dry film thickness

Note: The coverage depends on the floor condition, finish and substrate absorption. A test area is recommended before application to ensure proper appearance aesthetics, film bond and to find our approximately average coverage rate.

Application instructions

Surface preparation

The surface should be firm and free from dust and loose particles. Any traces of oil or grease or other bond breakers on the surface shall be cleaned and completely removed. Cleaning agents might be required in some cases. Sanding the previous coating or substrate might be required.

Consult our technical service department for further assistance.

Mixing

CIKOshield P is one component ready to use material that requires only stirring before usage.

Application Method

Apply CIKOshield P using a brush, roller or spray.

Consume 0.1L/m² per coat. Re-apply a second coat after at least 2 hours at the same rate of consumption.

Packaging

CIKOshield P is available in 4 L and 15 L pales.

Shelf life

CIKOshield P has a shelf life of 12 months if stored in accordance with CIKO instructions.

Storage

CIKOshield P should be stored under enclosed shaded area at temperatures between 5 – 30 °C.

Precautions

- Do not apply if ambient temperature is below 3°C and above 45°C.
- Colder temperature and high humidity will result in slower drying times.
- In some cases previous coats shall be sanded prior to the application of CIKOshield P.
- Do not thin or add extraneous material.

Health & safety

CIKOshield P should not come in contact with eyes or be swallowed. Ensure adequate ventilation and avoid inhalation of vapours. Applicator should wear appropriate clothes, gloves and goggles. Use of barrier cream is recommended to provide additional skin protection. If comes in contact with eyes flush with plenty of fresh water and seek medical advice.

Refer Material Safety Data Sheet for further details.

Technical Support

For any technical support, do not hesitate to contact CIKO team at any time as CIKO offers on and off site services to end users, specifier and contractors.

More from CIKO Middle East

A wide range of construction chemical products are manufactured by CIKO Middle East which includes:

- Concrete admixtures and additives
- Waterproofing and damp proof coatings
- Surface treatments
- Flooring and toppings
- Grouts and anchors
- Tile adhesives and grout
- Concrete repair materials
- Adhesives and bonding agent
- Protective coating
- Joint Sealants and Moulding compounds
- Ancillaries