

Crown Two Pack Epoxy Floor Paint

PRODUCT DESCRIPTION

Type: An epoxy resin-based floor coating with a semi-glossy finish, supplied in two-pack form with good resistance to abrasion, chemicals, water, fats, oils, pedestrian and vehicular traffic

Uses: Recommended for use on floors where continual wetting and cleaning processes are being used. Also suitable for use on floors with heavy human and light vehicle traffic. Do not use for overcoating previously single pack varnished surfaces unless all varnish coatings have been removed.

Substrates: Concrete floors in chemical plants, laboratories, hospitals, dairies, breweries, food factories, bottling plants, vehicle showrooms etc.

Advantages: Abrasion, water, chemical and solvent resistant.

Conditions during application: The temperature of the substrate should be minimum 10°C and at least 3°C above the dew point of the air, measured near the substrate. Good ventilation is required in confined areas to ensure proper drying. The moisture content in the substrate should not exceed 3% (by weight). The coating should not be exposed to oil, chemicals or mechanical stress until fully cured.

PRODUCT DATA:

Colour Range: Red Oxide, Grey, Green and a few selected shades.

Pack Sizes: 1 litre and 4 litres

Finish: Semi-gloss

Thinner & equipment cleaner: Thinner for Epoxy Paints

Dilution/ Mixing Ratio: 3:1:1 Base: Hardener: Thinner by volume.

Pot life: <12 hours. Due to the limited “pot life” of the mixed material, avoid mixing more material than can be used during one working day

Drying Times: Surface dry in 2 hours, re-coatable in 14 hours. Attains maximum hardness about 7 days after application.

APPLICATION DATA:

The product can be applied by: Brush, roller or spray

Spreading Capacity per coat: Depends on film thickness applied, type of texture, surface porosity, imperfections, temperature & wastage during painting

8 – 10 m²/l when applied on a smooth surface.

Maximum spread rate per coat is obtained at minimum dry film thickness and vice versa.

TECHNICAL DATA SHEET



If you like it... Crown it!

DIRECTIONS FOR USE

Surface preparation & Paint System:

Surface	Preparation	Primer/ Undercoat	Topcoat
New (dry) Cement floor screeds and unpainted Plaster, Brick, Stone Surfaces	Remove loose particles. Moisture content < 3%. Smooth floors should be mechanically etched or chemically etched with 5% solution hydrochloric acid to improve adhesion, rinsed with water and allowed to dry	Crown 2-pack Epoxy Primer mixed 3:1:1 Base: Hardener: Thinner by volume. Thinner may be increased by 10% to improve penetration	Up to 3 coats of Crown 2-pack Epoxy Floor Paint mixed 3:1:1 Base: Hardener: Thinner by volume.
New wooden floor	Sand along the grain with P240 - 320 sandpaper and dust off	Crown 2-pack Epoxy Primer mixed 3:1:1 Base: Hardener: Thinner by volume. Thinner may be increased by 10% to improve penetration	Up to 3 coats of Crown 2-pack Epoxy Floor Paint mixed 3:1:1 Base: Hardener: Thinner by volume.
Previously painted floor in sound condition	If Epoxy coated, sand down to provide grip. If other coatings, remove previous coat with sandpaper or Paint Remover till bare wood	None	1 -2 coats Crown 2-pack Epoxy Floor Paint mixed 3:1:1 Base: Hardener: Thinner by volume.

Precautions:

1. Do not apply when ambient temperatures are below 10°C
2. To avoid shade variation, especially for projects, ensure that batch numbers match or blend different batch numbers prior to applying
3. Mix base and hardener strictly in accordance with the mixing ratios indicated above. Stir well and allow to stand for 15-20 minutes before use. Thin the 1st coat up to 20% with Crown Thinner for 2-Pack Epoxy to ease brushing and to improve adhesion with the floor screed.
4. Stir paint thoroughly before use and intermittently during use to avoid settling
5. Avoid applying heavy coatings above 35µm DFT to prevent wrinkling
6. Avoid the use of cheap solvents as these may affect gloss or drying time
7. To avoid shade variation, especially for projects, ensure that batch numbers match or blend different batch numbers prior to applying
8. Mix base and hardener strictly in accordance with the mixing ratios indicated above. Stir well and allow to stand for 15-20 minutes before use. Thin the 1st coat up to 20% with Crown Thinner for 2-Pack Epoxy to ease brushing and to improve adhesion with the floor screed.
9. Ensure the substrate is completely dry as moisture will react with the 2-pack Epoxy and produce a milky appearance.
10. When coating new and sanded parquet wood block floors, ensure that all surface dust and contamination is completely removed prior to coating. It is recommended that dust from the floor surface and between the timber joints should be removed a few minutes before coating using a brush and then a cloth dipped in the Two Pack Epoxy Thinner.
11. To obtain a smooth finish, each coat must be rubbed down with fine sandpaper, preferably using fine waterproof abrasive paper. Wipe clean before overcoating.
12. To obtain a smooth, high-gloss finish, the application of several thin coats is recommended. Do not apply too thickly and avoid over brushing.
13. Do not use in drinking water tanks, fishponds etc.
14. Do not apply over surfaces previously painted with finishes other than epoxy

TECHNICAL DATA SHEET



Availability: From Crown Depots in Nairobi, Kisumu, Mombasa, Meru, Nyeri, Eldoret, Arusha, Mwanza, Dar es Salaam, Kigali and through Crown Stockists.

Storage Conditions: Store under cool dry conditions away from direct sunlight, heat and extreme cold.

Disclaimer: The recommendations contained herein are given in good faith and meant to guide the user in accordance with good painting practices. They are gained from our tests and experiences and are believed to be accurate and reliable. No warranty/guarantee is implied by the recommendations contained herein since the conditions of use; application method, substrate and cleanliness of the substrate are beyond Crown Paints Kenya PLC control. Technology may change with time, necessitating changes to this Technical Data Sheet (TDS). Crown Paints Kenya PLC reserves the right to amend the TDS without any further notice. It is the responsibility of the user to ensure that the latest TDS is being used for reference.



For additional health & safety information, please refer to our Material Safety Data Sheet (MSDS)