

CJ HIGH BUILD EPOXY

TWO COMPONENT HIGH SOLIDS COATING



PRODUCT DESCRIPTION

CJ High Build Epoxy is a two-component high-solids epoxy coating designed for use on old and new concrete and steel substrates, especially when substrates are damp. The finishing has a semi-gloss sheen finish with good adhesion onto properly prepared concrete and metal surfaces.



ADVANTAGES

- High build with easy maintenance.
- Can cure on damp surfaces.
- Good splash resistance to splash / spillage and fumes of acids, alkaline, fresh and salt water.
- Excellent corrosion.



AREAS OF APPLICATION

- Surfaces include steel structures, bridges, tank exteriors, oil tanks, piping, and roofs where they are subjected to high humidity and moisture.
- Suitable for concrete.
- Can be used as a primer where dampness is present.

Note: The products design and performance, its intended use, installation and final confirmation and approval for use, must be provided by the project's Design Engineer and Project Manager.



PHYSICAL PROPERTIES

PROPERTY	RESULT
Appearance	Slight Sheen
Solids	95%
Colour	Grey & Green
No. of Components	2
Recommended Film Thickness (per coat)	200 microns DFT
Pot-Life @ 25°C	2 ½ hours
Calculated Coverage	3.5m ² /kg @ 200u DFT
Drying Time @ 25°C	SD: 4 hours HD: 10 hours
Thinner/Cleaner	Thinner No. 163
Coats Recommended	2 coats



INSTALLATION PROCEDURES

▶ SURFACE PREPARATION

STEEL SURFACE

The steel surface must be dry and free of all contaminants. Old coatings, rust, waxes, oils, etc. must be removed by mechanical methods, wire brushing, or abrasive blasting to SA 2 ½. All blasted surfaces must be coated immediately or before visible rust occurs. Need to apply an epoxy metal inhibitive primer for corrosion control.

NEW CONCRETE

The surface must be firm, dry, clean, free of dirt, oil, grease, and all other foreign matter. The new concrete must age at least 28 days and, a minimum tensile strength of 200 psi is required of the prepared surface before coating. Mechanical methods such as sandblasting, scarifying, or shot blasting should be carried out to remove the weak layer of surface laitance. An epoxy primer is recommended. For damp floors, use CJ High Build Primer.

EXISTING CONCRETE

The surface must be structurally sound, dry and free of all contaminants. Weak or contaminated concrete must be removed until sound concrete is attained. Old coatings, toppings, waxes, oils, etc. must be removed by mechanical methods before priming with an epoxy primer.

▶ MIXING

1. Pour the hardener into the container marked resin while under agitation at low speed.
2. Apply by roller/spray one (1) coat of **CJ High Build Epoxy**. Allow to dry for 6 hours.
3. Finish with one (1) more coat of **CJ High Build Epoxy** by roller/ spray.

▶ PRECAUTIONS

1. Do not use the mixed materials beyond the recommended pot life.
2. Apply only between 10°C - 35°C. Avoid direct sunlight when applying. Temperatures above 30°C will shorten pot life.
3. Use recommended thinners only to avoid problems in the finishing.



IMPORTANT NOTE

Spreading rates are calculated on material applied to a smooth surface and do not include application loss factor due to the following : surface profile, roughness and porosity of surface, skill and technique of applicator, method of application, blast profile, various surface irregularities, material loss during mixing, spillage, climatic conditions and excessive film build.



PACKAGING AND SUPPLY

CJ High Build Epoxy	Part A : 2.5 kg or 5.0 kg Part B : 2.5 kg or 5.0 kg
CJ High Build Primer	Part A : 2.5 kg Part B : 2.5 kg



STORAGE AND SHELF LIFE

Store in a dry and cool place at a temperature between 5°C and 30°C, out of direct sunlight. Shelf life is 12 months from production date.





FLASH POINT

Flash point (Setaflash)

- Part A : 58°C
- Part B : 35°C



HEALTH AND SAFETY INFORMATION

Do not take internally. May irritate eyes and skin. Protective clothing and gloves are recommended to prevent sensitization to these materials. In case of eye contact, flush with soap and clean water, and seek medical attention immediately.

For further information or advice on health and safety precautions, safe handling, storage and correct disposal of products, please refer to the most recent product Material Safety Data Sheet (MSDS), which is available upon request. In confined spaces or in still air conditions, the use of a ventilation fan or suitable respirator should be used, and the advice and approval of the Site Safety Supervisor is essential.



DISCLAIMER

The information and the recommendations relating to the application and end use of this product are given in good faith and are based on the information provided by the manufacturer of the product and/or the Company's current knowledge and experience in connection with the product when properly stored, handled and applied under normal conditions and no liability of final function at the job site is assumed. In practice, the differences in materials substrates and actual site conditions are such that no warranty in respect of merchantability of or fitness for particular purpose, nor any liability arising out of any legal relationship whatsoever, can be inferred either from this information, or from any written and/or oral recommendations, or from any other advice offered by the Company. The Company also has no express or implied knowledge of any particular purpose for which the product is required and any such information given will not be taken into account in the supply of this product. No responsibility or liability by the Company will be accepted for misuse, misreading or derivation from recommended guidelines in respect of this product and the user shall determine the suitability of the product for his intended use and assume all risks and liability in connection therewith. The information contained in our brochure may change at any time without notice. Any use of this product; **CJ High Build Epoxy** in any application should be approved as suitable for use/application by the Design Engineer and Project Manager.

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