NOVEPOXY HIGH BUILD FLOOR PAINT – Technical Data Sheet

1178103A V1.1

1178103B.V1.1

Description:

CCM Novepoxy High Build Floor Paint is a 2-pack zero VOC water based epoxy polyamine coating ideal for application to all forms of flooring substrates, including damp surfaces. It has high water and chemical resistance similar to its solvent counterparts, while being completely VOC free. Tools are able to be washed in warm soapy water.

Uses:

Ideal coating for Garage and warehouse floors, Food processing plants, Dairy units and cowsheds etc, Meat works, schools, surface that require regular steam or high pressure cleaning,

Physical Properties:

- **Resin type:** 2-package epoxy polyamine
- **Solvent:** Water
- **Colour:** Limited range of colours.
- **Finish:** Smooth high gloss.
- **Volume Solids:** 55%
- **Drying Time:** Touch dry 2 hours @ 20^{o}C
- **Recoat Time:** 3 – 4 hours depending on temperature & Humidity.
- **Full Cure.** 5 – 7 days depending on ambient temperature.
- **Pot Life:** 3+ hours @ 20^{o}C
- **Theoretical Coverage:** Approximately 6 M²/lt. depending on requirement.
- **Recommended Dry film thickness:** 150 microns at 6 M²/lt. 2 coats.
- **Thinning and cleanup:** Water, warm and soapy for best results.
- **Abrasion Resistance:** Excellent.
- **Heat resistance:** Alkalis – Good; Acids – Fair; Fully Cured.
- **Solvent resistance:** Excellent.

- **Hot tyre pick-up**: Very good.

Performance and Limitations:

Ideal for application without primer to sound concrete, masonry and timber substrates; but requires an appropriate primer over metals it is tolerant to damp surfaces, but not saturated substrates. High surface hardness with excellent resistance to abrasion and may be regularly steam cleaned or power washed when fully cured, also possesses very good resistance to hot tyre pick-up when fully cured.

Do not apply when ambient temperature is below 10^{o}C or above a RH of 85% or when rain is likely within 6 hours. Only recommended for interior floors, as like all epoxies the surface will chalk rapidly under UV radiation. If used in an exterior environment it should be over coated with clear exterior polyurethane. For resistance to specific chemicals please consult the Technical Department of CCM.

Application:

Application by brush roller or spray is very similar to the solvent counterpart with the exception that equipment is cleaned using water. Warm soapy water is recommended for best results.

For maximum slip resistance, Anti-slip Grit may be added at the rate of 400 grams per litre of mixed Novepoxy and mixed in thoroughly. It is recommended that this only be done with the first coat, the second coat being applied without aggregate to facilitate easier cleaning of the surface.

Novepoxy is supplied as a package of 3 litres of A base in a 4 litre can, with 1 litre can of hardner B. The hardner is poured into the base and mixed well. Preferably with a flat stick and not a machine stirrer as this can impart aeration. The pot life is clearly visible by the mixed paint getting very thick before it finally gels and hardens. Although the mix ratio is 3 parts A base and 1 part B hardner for best results it is best to mix full containers as supplied.

Surface Preparation:

Concrete must be allowed to mature for at least 28 days, remove all oil, grease and other surface contaminants using an industrial detergent. Moisture content of concrete or masonry must not be above 18%, or show any signs of moisture in the plastic sheet test. Surface moisture only is not a problem.

Old dirty concrete floors must profiled by captive blasting, and/or acid etching to provide maximum grip. Concrete surfaces containing curing compounds or seriously contaminated with oils and grease must be cleaned by captive blasting rather than acid etching.

Other surfaces must be clean and free from loose paint, and roughened by sanding etc.

Health & Safety:

Materials Safety Data Sheet MUST be consulted before using this material. If you are unsure about any aspect of using Novepoxy please consult the CCM Technical Centre on 09-4834833.