

Flow-Coat

EPOXY FLOORING SYSTEM

Description:

Colourcrete Flow-Coat Epoxy Flooring System is a two-component, decorative, high build performance thixotropic epoxy coating. This system provides a convenient pre-coloured tinted 3:1 mixing ratio and good work time to simplify mixing and application. Colourcrete Flow-Coat is solvent free. The system is supplied in a selection of AS 2700-2011 Grey colours.

Advantages:

- Thixotropic
- Long Lasting Durability
- Self Priming

Typical Applications:

- Car Parks and Basements
- Wash and Change Rooms
- Factory and Warehousing
- Workshops
- Garage and Sheds

Properties:

- Shelf Life: 2 years when stored cool dry conditions
- Solids Contents: 100% v/v
- Mix Ratio: 3 Part A: 1 Part B by volume
- Work Time per Pack: 25 minutes at 25°
- Tack Free Time: 6 hours at 25°
- Recoating Window: 12 – 36 hours at 25°
- Cure Time: 7 days at 25°
- Coverage/Pack: 0.2kg/m² per coat @ 140 um dft

Estimating Data:

4 – 6m² per litre per coat @ 140 um dft. Minimum two coats are required.

Surface Preparation:

Concrete should be at least 28 days old and free of additives, curing agents, oils, etc. Remove all loose, crumbly, and drummy areas to obtain a sound surface. Ensure that surfaces are free of dust, oil, and grease. Prepare concrete by professional diamond grinding or captive blast cleaning as applicable to exceed CSP 2 Standard. Acid wash surface at a rate of 1: part hydrochloric acid to 10: parts clean water. Agitate acid solution over entire surface and pressure wash all remnants from surface using minimum 2500psi. Allow to dry. Vacuum all dusts and debris. Prepare steel surfaces in accordance with AS 1627 – 2002.

Application:

Pre-condition the material in an environment with a temperature between 18°C – 25°C. Pre-conditioning times will vary depending on the product starting temperature. Consideration should be given to the required slip rating of the finished floor when adding slip reducing grain test areas are recommended. Review the area in advance so that a fixed volume of mixed materials can be applied over a fixed area to ensure correct application rate. Select a slow speed (400 – 600 rpm) mechanical mixer to ensure thorough mixing. Pre-mix Part A (base) thoroughly mix to ensure all the pigment is dispersed. Add Part B (hardener) and continue to mix for 3 minutes. Best practice for reducing viscosity is to use *Colourcrete Xylene Solvent* and not exceed 7% by volume in the final coat. Note excess thinning may result in pigment flotation. *Colourcrete Flow-Coat* can be applied by roller in two coats (minimum) to achieve a total 280-micron dft. – Observe re-coating window. Allow the coating to cure for 7 days prior to subjecting any chemical exposure. Contact Oriem for further details.

Clean-Up:

Clean all equipment and tools with *Colourcrete Xylene Solvent*.

General Cleaning:

Housekeeping is critical in keeping floor surfaces safe. Vacuum, wash, scrub or sweep daily in accordance with recommendations. Mechanical sweepers and scrubbers can provide excellent results. Verify that the frequency and effectiveness of the cleaning process is appropriate for site conditions. Remove spills immediately, scrub and allow the floor to dry completely.

Products and Equipment Required Checklist:

- Colourcrete Xylene
- Drop Sheets
- Roller Frames
- Rags
- Extension Lead
- Hydrochloric Acid
- Masking Tape
- Roller Poles
- Mixing Drill
- Vacuum
- Blower

Packaging:

Colourcrete Flow-Coat is available in a 10kg kit. (Part A - 8.2kg and Part B - 1.8kg) They are pre-packed and pre-tinted in correct proportions for use.

Safety Precautions:

Read Material Safety Data Sheet before commencing and application. Keep away from children. Contents are flammable. Avoid contact with skin and avoid breathing vapour. Always provide adequate personal protection (gloves and goggles etc) during use. Always provide adequate ventilation, especially in confined spaces. If poisoning occurs, call Doctor or Poisons Information Centre. – Phone 13 11 26
If swallowed, Do NOT induce vomiting. Give plenty of water or milk. If skin contact occurs, quickly remove contaminated clothing and wash affected areas thoroughly with soap and water.
PART A – UN 3082, PART B – UN 2735

Please Note:

The information given in this data sheet is based on our current knowledge of the product when properly stored, handled, and applied. Any verbal advice given should not be regarded as authoritative information. This information is subject to change without notice therefore all applicators should ensure they have current information. This product is intended for the use only of skilled tradesmen and where applicable, statutory licensed tradesmen experienced and trained in the use of this product. This product is warranted to be uniform quality within the manufacturer's tolerance. We accept no responsibility for loss or injury caused by improper use, incompetent preparation, inexpert or negligent application, or ordinary wear and tear. This manufacturer has no control over the use or misuse of this product, therefore no warranty rests or implied, is or can be made either as to effects of such use. The manufacturer's obligations shall be limited to replacing product proving to be defective.

