Interim Coatings Specification 1104
Envirothane 4111/4110

Project : Heavy Duty Epoxy Floor Coating
Substrate : Concrete
Environment : Heavy Duty
Author : Ben Gillies
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Overview

Specification for a coating system to achieve an extremely durable, environmentally friendly non slip coating, a floor surface repair system and a coving repair system.

Notes:

1. Product Data Sheets and Material Safety Data Sheets for all products must be strictly followed.
2. This specification is offered free of charge as a guide. Any warranty will be strictly limited to supply of replacement materials. No further liability for failure or associated costs will be borne by Integra Industries.

Note: The dry film thicknesses quoted in this Recommendation are the minimum to be achieved. Do not exceed specified thickness by more than 30%.

Preparation

Surface must be sound, dry, free from all loose material, laitance, old coatings, dust and surface contaminants (e.g. oil, grease, chemicals, release/curing agents etc.). Smooth or contaminated surfaces must be mechanically treated by abrasive blasting or grinding to achieve a clean anchor pattern for best adhesion.

Oily surfaces must be detergent cleaned and water blasted. In some instances acid etch and water blasting may be adequate to form a 'key' for sufficient adhesion. Grind or acid etch to prepare a good bond/key for the coating to the concrete.

Application system for new floor surface

1. Apply E4111 Solvent Free Epoxy to 10m^2/Litre
2. Apply E4111 Solvent Free Epoxy with additional 50N filler incorporated into coating at a concentration of 3.5kg of filler per mixed litre using a gauge trowel or similar. Broadcast 50N Sand non slip media to complete coverage (2 kg/m^2) while coating is wet. Remove excess when dry.
3. Apply third coat of Envirothane 4110 Solvent free Epoxy to colour….Coverage approx 3.3 m^2/L

integra INDUSTRIES
1090 South Road EDWARDSTOWN SA 5039
PO Box 326 DAW PARK SA 5041
Freecall 1800 500 803 **Fax** 08 8177 0336
sales@integraindustries.com
www.integraindustries.com

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AMBIENT to 45°C

Application system for floor coating repair

1. Thoroughly clean area to be repaired and remove any loose floor material
2. Continue as for new floor

Application system for coving repair

1. Thoroughly clean area to be repaired and remove any loose coving material.
2. Using a coving tool, screed E4111 with incorporated 50N filler into coving area being repaired. Filler to be incorporated into E4111 at a concentration of 5kg of filler per mixed litre.
3. Apply third coat of Envirothane 4110 Solvent free Epoxy to colour….Coverage approx 3.3 m^2

	Application Method	Spreading Rate	Dry Film Thickness	Volume Solids	Mixing Ratio	Pot Life	Thinner	Clean up Solvent	Recoat Time
E4111	Roller	10m^2 per litre	100µm	100%	2:1	30 minutes	V122 @ 30%	V105	12 hours
E4111 + Sand	Notched Trowel	1.82 litres + 6.4kg/m^2	5000µm approx	100%	2:1	30 minutes		V105	12 hours
50N Sand	Broadcast	2kg/m^2							
E4110	Roller	3.3m^2 per litre	300µm	100%	3:1	30 minutes		V105	

TOTAL DRY FILM THICKNESS: 5300 **microns approx**

NOTES:
APPLICATION METHOD
AS = Airless Spray, CS = Conventional Spray, AGS = Agitated Spray R = Roller, B = Brush, NS = Notched Squeegee

COLOURS: As requested.

NON SLIP RATING: This will give R10 non slip rating, if a higher rating is required use a coarser sand.

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