

# Generic Paint Specification 1110

## Enviroflake Seamless Flooring System

**Description:** - This specification provides a decorative seamless floor which is suitable for moderate to severe internal or external environments. The products in this system are all enviro-friendly, safe and can be applied by roller and brush. Enviroflake Seamless Floors are hardwearing, easy-to-clean and are especially ideal for areas where hygiene control is of prime importance. Enviroflake is available in a broad range of colour combinations which should carefully selected before proceeding. The topcoat options are both available in gloss or satin finish and anti-slip media can be incorporated if required.

### Typical applications:

Showrooms, laboratories, canteens, jails, amenities, retail shops.

### Products:

1. **Envirothane 2100 Water Based Epoxy** – tinted to selected colour
2. **Enviroflake Decorative Vinyl Chips** – selected colours
3. **Envirothane 2000 Super Clear Gloss/Satin Epoxy** for internal areas **OR**
4. **Envirothane 8476 Multi-use Gloss/Satin Polyurethane** for external areas

### Notes:

1. Coverage rates can vary according to the continuity of the surface being coated, the type of finish being achieved, and the application equipment used.
2. For areas exposed to unfiltered UV light – e.g. outdoor areas and showrooms with large windows, **Envirothane 8476 Water Based Multi-use Polyurethane** should be used as the final coat.
3. For floors which may be exposed to harsh chemicals, discuss with one of the A&I Coatings consultants about applying **Enviroflon 8480 Water Based Clear Fluoropolymer** as the final coat.
4. If a non-slip surface is required, **Envirothane AO Non-Slip Media** should be used. Contact A&I Coatings at [helpdesk@aicoatings.com](mailto:helpdesk@aicoatings.com) for help regarding this.

### Notes:

1. This specification should be read in conjunction with all relevant Product Data Sheets and Material Safety Data Sheets.
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 A&I Coatings.
3. Being a generic spec, there may be situations or conditions not considered that could influence the performance or appearance of the finished product. If you have any query in this regard, you should request a Site Unique Specification.
4. Product usage rates and film build required will vary from project to project in reflection of the varying wear factors and substrate conditions.
5. In addition, Area Specific Instruction Sheets are available on request.

**Process:**

Details	Indicative Coverage
1. <b>Preparation:</b> Thoroughly key and clean the surface to be coated. Suitable preparation methods include acid washing and diamond grinding. Mark the perimeter edges and mask along these lines with a broad, good quality tape.	
2. <b>1<sup>st</sup> Coat:</b> Apply a primer/sealer coat of <b>Envirothane 2100 Water Based Epoxy</b> tinted to selected colour. Use a tight weave, medium nap length roller, and cross roll to ensure an even spread. Allow to dry for at least 4 hours.	6-8m <sup>2</sup> /L
3. <b>2<sup>nd</sup> Coat:</b> Apply a thick 'flake holding basecoat' of <b>Envirothane 2100 Water Based Epoxy</b> of the selected colour. Use a tight weave, medium nap length roller, and cross roll to ensure an even spread.	5-6m <sup>2</sup> /L
4. <b>Broadcasting Enviroflake:</b> As the 2 <sup>nd</sup> coat is being applied, broadcast the selected <b>Enviroflake</b> evenly into the wet surface until all the <b>Envirothane 2100</b> is covered. (excess can be retrieved and reused)	2-3m <sup>2</sup> /kg
5. <b>Removal of Excess Enviroflake:</b> After allowing a curing period of at least 16 hours, gently pull off the perimeter tape and remove excess flake by careful sweeping and vacuuming. Then flatten the surface by gently scraping and sanding (use #180 grit sandpaper) in all directions to shave off protruding flakes. Carefully vacuum the floor again and apply new perimeter tape. Special care should be taken during this time to keep the floor area very clean. Sole spikes are recommended equipment should be clean. Excess flake can be used again if kept clean and dry.	
6. <b>3<sup>rd</sup> Coat:</b> Apply a heavy encapsulating coat of <b>Envirothane 2000 Super Clear Gloss Epoxy</b> or <b>Envirothane 8476 Multi-use Gloss Polyurethane</b> to a minimum dry film thickness of 70 microns. Use a tight weave, medium nap length roller, and cross roll to ensure an even spread.	4 to 6m <sup>2</sup> /L
7. <b>4<sup>th</sup> Coat:</b> After overnight dry, apply a heavy topcoat of <b>Envirothane 2000 Super Clear Gloss/Satin Epoxy</b> or <b>Envirothane 8476 Multi-use Gloss/Satin Polyurethane</b> to a minimum dry film thickness of 60 microns. Use a tight weave, medium nap length roller, and cross roll to ensure an even spread. Note that selection of the desired sheen level (satin or gloss) should be done at this stage. Carefully remove the perimeter tape and protect from full traffic for 7 days.	4 to 6m <sup>2</sup> /L

**Notes:**

1. This specification should be read in conjunction with all relevant Product Data Sheets and Material Safety Data Sheets.
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 A&I Coatings.
3. Being a generic spec, there may be situations or conditions not considered that could influence the performance or appearance of the finished product. If you have any query in this regard, you should request a Site Unique Specification.
4. Product usage rates and film build required will vary from project to project in reflection of the varying wear factors and substrate conditions.
5. In addition, Area Specific Instruction Sheets are available on request.