

# Flexicoat™

A flexible coating for floors subject to vibration and movement



Watco Flexicoat is a polyaspartic coating designed for floors which may be subject to slight movement or cracking.

Polyaspartic paint technology means coatings deliver higher performance such as improved durability (strength, flexibility, and resistance), the ability for the paint to dry at extremely low temperatures, and to cure very rapidly too. Other performance benefits include outstanding scratch and chemical resistance and exceptional resistance to UV fading. And unlike epoxy coatings, polyaspartics have increased flexible properties making them the right choice for industrial floors needing incredibly strong and long-lasting protection.



## Colours



Samples are available on request. While great care is taken with the colour samples shown, no guarantee can be given that they represent exactly the colours offered.

## Areas of use:

- Floors which can move slightly due to vibrating machinery
- Floors which expand due to heat and moisture
- Plant/Boiler rooms or bund areas where equipment may leak
- Flexible mezzanine floors
- External areas

## Features:

- Fills and bridges small cracks to cut preparation time
- Helps suppress noise
- More comfortable underfoot
- Excellent chemical resistance
- Good waterproofing properties - ideal as a flexible, waterproof coating
- Low solvent content formula is virtually odourless during application
- Can be steam cleaned
- Good UV resistance

## Need help? Speak to the experts

Our dedicated and professional team are here to help you get the best results for your project. They will talk you through the preparation and application stages when using **Flexicoat**.

Call our expert team on: **01483 418 418** (Weekdays 8:00am - 5:30pm. Saturday 9:00am - 12:00pm)



# Flexicoat<sup>™</sup>

A flexible coating for floors subject to vibration and movement

## 1 Surface Preparation

**Concrete** – Concrete to be treated must be at least four weeks old, completely dry and free of surface laitance (a weak dusty layer on concrete), contaminants and any previous poorly bonded coatings. All traces of grease or oil should be removed with Watco Bio-D (or similar degreasant) and the area thoroughly washed off and allowed to dry. Very smooth concrete or concrete with surface laitance should be etched with Watco Etch & Clean to ensure adequate adhesion. The concrete should be thoroughly washed down and allowed to dry after treatment with Watco Etch & Clean.

**Stone** – Stone should be dry and free of all loose surface material and contaminants.

**Painted Surfaces** – Diamond grind the surface prior to application to achieve a consistently rough profile, and ensure all weakly bonded material is removed. Glossy or inadequately prepared surfaces may cause adhesion issues, so a thorough inspection is recommended to ensure no areas are missed, a bristle blaster can be used in any hard-to-reach areas. Thoroughly sweep the area following grinding; any loose material or dust can compromise adhesion. Bio-D can be used to remove any grease and oil from the surface following the grinding process, however, surfaces washed with Watco Bio D must be then thoroughly rinsed with water and allowed to dry fully, prior to coating.

**Bare Metal** – Remove any rust and flaking material by disc grinding or wire brushing. Apply the coating immediately after preparation to the clean metal surface. Grease or oil can be removed using Watco Bio-D - a solvent free degreaser. Allow the metal to dry before coating. Galvanised metal should be treated with Watco Galvaprim.

## 2 Mixing

The tall outer tin contains a tin of resin and a tin of curing agent. Remove these two tins and stir the contents of each thoroughly. (The Watco Paint Mixer is ideal for mixing two part products.) Decant both tins into the tall outer tin. The two components should then be very thoroughly mixed together using a wide bladed stirrer. A wooden batten at least 25mm wide is ideal. Mix for 2 - 3 minutes until an even colour and consistency are obtained.

## 3 Application

Best results are achieved in warm (minimum 10°C -15°C) dry conditions with good ventilation. Apply by simulated sheepskin roller. A paint brush may be used for cutting in. Leave approx. 8 -12 hours if recoating is required (see Curing Times overleaf).

## 4 Safety

Material Safety Data Sheets are available.

## 5 Ordering

Available direct from Watco UK Limited and through agents worldwide. All Watco products are sold subject to the Company's Standard Conditions of Sale.

The Company and its representatives are often asked to comment on potential uses of Watco products which differ from those described in the Company's data sheets. Whilst in such cases the Company and its representatives will always try to offer helpful and constructive advice, the Company cannot be held responsible for the results of such uses unless they are specifically confirmed in writing by Watco.

# Flexicoat<sup>™</sup>

A flexible coating for floors subject to vibration and movement

## Specification

|                                |   |
|--------------------------------|---|
| <b>Composition</b>             | Two part polyaspartic formulation.  |
| <b>Number of Components</b>    | 1 x curing agent and 1 x resin.   |
| <b>Finish</b>                  | Mid gloss.  |
| <b>Primer Required</b>         | No.   |
| <b>Number of Coats</b>         | 1   |
| <b>Usage Interior/Exterior</b> | Interior & Exterior.  |
| <b>Application Tools</b>       | Simulated sheepskin roller, paint brush for cutting in.   |
| <b>Suitable For</b>            | Concrete, wood, metal, 6 month old asphalt.   |
| <b>Pack Size</b>               | 2.5L  |
| <b>Coverage</b>                | 2.5L will cover approximately 20m <sup>2</sup> per 2.5L per coat. One coat is usually sufficient on most surfaces although two coats may be required to produce an even finish on very porous or textured surfaces.   |
| <b>Curing Times</b>            | Assuming well ventilated conditions and temperatures of approximately 15°C - 20°C, it should be touch dry after 5 hours. Please allow 8 -12 hours before recoating and 12 hours before introducing traffic. Full chemical resistance is gradually achieved over 7 days (at a minimum constant temperature of 15°C). Avoid washing the surface for 7 days after application. Curing can be extended by low temperatures and could take 24 - 48 hours if applied at 10°C -15°C. |
| <b>Chemical Resistance</b>     | See chart overleaf.   |
| <b>Shelf Life</b>              | 12 months in unopened container.  |
| <b>Cleaning Tools</b>          | Use Watco Cleaning Solvent.   |
| <b>Pot Life</b>                | 20 - 30 minutes at 20°C. Higher temperatures will reduce this time.   |
| <b>Cleaning</b>                | Resistant to the normal range of industrial cleaners. Strong degreasants should be tested first. Generally a mild detergent is sufficient, used with a broom or scrubbing machine.  |
| <b>Storage</b>                 | Between 15°C - 25°C for at least 8 hours prior to use.  |
| <b>Safety</b>                  | All product labels provide general safety information. Material Safety Data Sheets are available. Food products must be removed from the area during application and curing.  |

# Flexicoat™

A flexible coating for floors subject to vibration and movement

**Results taken straight after 4 hours of exposure.**

| Name                | Concentration |       |
|---------------------|---------------|-------|
| Hydrochloric Acid   | 5%            | ***** |
|                     | 15%           | ***** |
| Sulphuric Acid      | 5%            | ***** |
|                     | 20%           | ****  |
| Nitric Acid         | 5%            | ***** |
|                     | 20%           | ***** |
| Phosphoric Acid     | 10%           | ***** |
|                     | 20%           | ***** |
| Acetic Acid         | 10%           | ***** |
|                     | 20%           | ***** |
| Tartaric Acid       | 10%           | ***** |
|                     | 20%           | ***** |
| Oxalic Acid         | 5%            | ***** |
|                     | 10%           | ***** |
| Lactic Acid         | 10%           | ***** |
|                     | 20%           | ***** |
| Calcium Hydroxide   | 10%           | ***** |
|                     | 50%           | ***** |
| Sodium Hypochlorite | 10%           | ***** |
|                     | 50%           | ***** |
| Sodium Hydroxide    | 10%           | ***** |
|                     | 50%           | ***** |
| Ammonia             | 5%            | ***** |
|                     | 20%           | ***** |
| Acetone             | 100%          | ***** |
|                     | 50%           | ***** |

| Name                 |       |
|----------------------|-------|
| Butoxyethano         | ***   |
| Xylene               | ****  |
| Ethanol              | ***** |
| Ester Alcohol        | ***** |
| Triethylenetetramine | ****  |
| Caromax              | ***   |
| Ethyl methyl ketone  | ***** |
| Benzyl Alcohol       | *     |
| Methoxypropanol      | ***   |
| Exsol D40            | ***** |
| Odourless Kerosene   | ***** |
| White Spirit         | ***** |
| Detergent            | ***** |
| Bleach               | ***** |
| 50% Salt Solution    | ***** |
| Mineral Oil          | ***** |
| 50% Sugar Solution   | ***** |
| Anti-Freeze          | ***** |