Technical Data Sheet

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

- Mid Grey
- Tile Red
- Mid Blue
- Light Grey
- Safety Yellow
- White

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)

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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 Galvaprime.

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 short pile 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.

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Specification

Composition	Two part polyaspartic formulation.
Number of Components	1 x curing agent and 1 x resin.
Finish	Gloss.
Primer Required	No.
Number of Coats	2
Usage Interior/Exterior	Interior & Exterior.
Application Tools	Short pile roller and paint brush for cutting in.
Suitable For	Concrete, wood, metal, 6 month old asphalt.
Pack Size	2.5L
Coverage	2.5L will cover approximately 20m² 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.
Curing Times	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.
Chemical Resistance	See chart overleaf.
Shelf Life	12 months in unopened container.
Cleaning Tools	Use Watco Cleaning Solvent.
Pot Life	20 minutes at 15ºC. Higher temperatures will reduce this time.
Cleaning	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.
Storage	Between 15°C - 25°C for at least 8 hours prior to use.
Safety	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.

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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	*****

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