

Decratex Flake XFH Resin

Product Description

Very fast curing, 100% solids Polyaspartic UV resistant floor coating

Decratex Flake XFH Resin is a very fast curing, non-toxic, two part, 100% solids, epoxy floor coating. Providing a hardwearing adhesion coat for our Polycote *Decratex Flake system*, its formulation includes quality fillers for good abrasion and chemical resistance.

Typical Uses

Decratex Flake Resin is ideal for use in medical, animal and food environments. Typical applications include warehouses, factories, processing plants, showrooms, hospitals and schools.

Suitable substrates: *Decratex Flake XFH Resin* may be applied direct to most substrates, including old and new concrete, stone, timber and metal after priming the surface with *Polycote Flake Primer*. Please call the Polycote Technical Helpline for details.

Colour: *Decratex Flake XFH Resin* is available in clear and 9 standard colours. Other RAL colours may be available on request.

Packaging: *Decratex Flake XFH Resin* is supplied in pre-measured quantities as a two part 5kg unit, comprising a coloured epoxy blend Part 'A' and hardener Part 'B'.

Direction For Use

Surface Preparation

The substrate must be clean, sound, dry and all surface laitance removed.

The substrate moisture content at the surface should be less than 75% RH and contain a functioning damp proof membrane.

Concrete substrates should be mechanically prepared using a vacuum assisted shot blaster or diamond grinding equipment, followed by thorough vacuuming leaving an open textured surface.

On concrete surfaces, care must be taken to ensure the surface preparation does not disfigure the surface as this will show through the clear coating.

Wooden substrates should be thoroughly cleaned and any previous coatings and waxes removed from the surface. If necessary sand the surface in the direction of the timber grain.

Decratex Flake XFH Resin is not recommended to be applied on damp concrete under any circumstances.

Mixing

Thoroughly stir Parts 'A' and 'B' individually to disperse any settlement, then add hardener Part 'B' to resin Part 'A' and mix for at least 5 minutes using a heavy-duty, slow speed drill with a mixing paddle until the two parts are thoroughly combined. Avoid air entrapment whilst mixing. Ensure thorough mixing as an unmixed product will result in a poor or non-cure situation.

Application

Due to the limited pot life, once mixed, the *Decratex Flake XFH Resin* must be applied immediately. It can be applied as a single coat or as multiple coats to build up a depth of cover. Apply using a medium pile roller or brush, cross-rolling to ensure an even application and to minimise roller marks.

Particular attention should be given to doorways and other areas of high traffic.

Apply *Decratex Flake XFH Resin* at a nominal rate of 0.25m²/kg. If applying a second coat, do so after a minimum of 2 hours and maximum of 6 hours.

Application Temperature

Normal application temperature is between 5°C and 25°C. Relative Humidity up to 90% maximum. Please note, higher temperature will shorten the pot life.

If in doubt, please contact Polycote Technical Helpline for further advice.

Pot Life & Curing Time @ 20°C

Pot life is approximately 10-15 minutes. Recoat time is 2-6 hours or once surface has lost tackiness. It will accept light traffic after 6 hours, full traffic in 24 hours. Full cure achieved in 3 days.

To ensure a good intercoat chemical bond, the second coat of *Flortex Fastset* should be applied within 6 hours of initial coating. If this interval is exceeded, abrade the first coat to ensure intercoat adhesion.

Coverage

Technical data after 28 Days at 20°C

Cleaning

Shelf Life & Storage

Health & Safety

Any Questions

A 5kg unit will cover between 15-23m², depending on the texture and porosity of the surface.

Shore D Hardness:	> 80
Bond Strength:	> 3.0 N/mm² (Concrete Failure)
Abrasion Resistance:	AR < 0.5
Slip Resistance Pendulum Test to BS7976-2:	Dry > 50 Wet and Anti Slip finish.
VOC:	25g/l Based on a fully mixed unit
Chemical Resistance:	Excellent general chemical resistance.

Tools and equipment should be cleaned whilst resin is still wet using solvent cleaner.
Hands and skin should be cleaned immediately with Organic Hand Cleaner.

Shelf life in unopened containers is approximately 12 months subject to conditions of storage.
Store between 10-25°C in a cool, dry, frost-free environment away from sources of ignition and out of direct sunlight.

Before using this product, please ensure you have received and read carefully both the Hazard Label applied to the container and the relevant Material Safety Data Sheets.
As from 24th August 2023, adequate training is required before industrial or professional use of this product.

Please do not hesitate to contact us for advice regarding the use of this product or its suitability for your particular application.
Our aim is to provide all the technical help you need to make an informed choice and achieve total success.
Polycote Technical Helpline: **01234 846400**

All reasonable care has been taken in supplying the above information. However, any figures quoted do not constitute a specification but represent typical values obtained. It is the customer's responsibility to ensure the product is fit for the intended purpose and that conditions are suitable. Any technical advice is offered in good faith, but without warranty. This is also applicable when proprietary rights and third parties are involved. In the light of the Company's policy of continual research and development, it is the customer's responsibility to ensure that the information contained herein has not been superseded.

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Polycote UK LLP, Centre Point, Wolesey Road, Woburn Road Industrial Estate, Kempston, Beds MK42 7EF 17	
EN 13813 SR-B 2.0 - AR 0.5 - IR 10 Synthetic resin screed material for use internally in buildings as per Polycote data sheet	
Wear resistance Bond strength Impact resistance	AR0.5 > 2 Nmm² IR 10