



Kingfisher Product Data Sheet

Weatherflex - “Smooth Masonry Coating”

Description

“Kingfisher Weatherflex Smooth” is a versatile, exterior grade masonry coating, with exceptional flexibility, coverage, mould resistance and crack-bridging properties. It is formulated from a blend of technically superior acrylic polymers and pigments, carefully selected for their durability and depth of colour to provide guaranteed protection against all types of weather conditions for up to 15 years. Whilst it forms a moisture resistant shield, “Weatherflex Smooth” retains sufficient vapour permeability to allow moisture to evaporate from the substrate.

Companion / Related Products:

- Kingfisher “Bio-Wash”
- Kingfisher “Weatherflex Stabilising Solution”
- Kingfisher “Pointing Solution”

(Refer to these individual product data sheets for detailed application guidance – published on our website www.kingfisheruk.com)

Uses

External or internal decoration and protection of a wide variety of mineral substrates on domestic, commercial, agricultural and industrial buildings, even where lateral penetrating damp has been an issue:

- Exterior brickwork
- Exterior stonework
- Exterior renders, including renovation of self-coloured renders
- Pebble-dash
- Interior brickwork where durability and abrasion resistance or needed (e.g. Industrial Units, Retail)
- Interior brickwork where occasional wash down is required (e.g. Kennels or Milking Parlours)

If in doubt, please call our technical services department on 01229 869 100 for guidance on the many uses for “Weatherflex Smooth”.

Advantages

- Ease of application by brush, roller or high pressure spray
- Highly durable weatherproof finish with high UV resistance
- Extensive range of colours
- Controls damaging lateral penetrating damp
- Tools can be cleaned with soap and warm water after use.

Surface Preparation

Surfaces should be generally clean, dry and free of grease, oil, flaking paint and other contaminants.

1) Cleaning: Wash away loose dirt using clean water with a scrubbing brush and mild detergent as required and allow the surface to dry. Abrasive grit blasting is also suitable where such equipment is available.

2) Remove loose paint: Remove all existing loose paint either chemically with paint stripper, grit blasting or with a wire brush and scraper to make sure that you have a sound surface onto which to apply the "Weatherflex Smooth". It is not necessary to remove all existing paint – that which is still well bonded to the surface will normally provide an adequate base for "Weatherflex Smooth".

3) Neutralise Moss & Mould: Where green mould, lichens and moss have taken hold, spray or sponge thoroughly with Kingfisher "Bio Wash" to neutralise. This also suppresses the invisible roots and spores which are embedded in the substrate. This is very important and will prevent re-growth underneath your new coating.

4) "Make Good" Pointing & Render damage: Carefully examine the mortar joints or render for signs of decay and rake out any crumbly areas, then re-point adding Kingfisher "Pointing Solution" to the mix for waterproofing, flexibility and adhesion. Pay special attention to repair of chimney stacks as these are a frequent source of moisture ingress. Phone us if in doubt.

5) Repair Weathered Bricks or Stone: If there are any "blown" brick faces or stones, these can be "faced up" as follows:

a. Priming Mix: In a bucket mix ONE part sharp sand, ONE part ordinary cement with neat "Pointing Solution". This should be paddle mixed with a drill (400 to 600 rpm) until a "yoghurt consistency" is achieved. You then brush or stipple this grey primer onto the area with a masonry brush or similar. Leave this for around 20 to 30 minutes.

b. Repair Mix: Mix up a stiff repair render of 1 part cement to 4 parts sand mixed with "Pointing Solution" and a little water. It is important to apply the repair render within half an hour of the primer mix to ensure "continuity of key". This method avoids the usual shrinkage cracks and "falling out".

6) Stabilising & Priming: Where stone, brick or mortar may be slightly friable or "soft", such surfaces should be primed with "Weatherflex Stabilising Solution" to harden the surface and improve the adhesion of the "Weatherflex Smooth" coating. The same treatment should be used for "dusting" surfaces and flaking paint which cannot be adequately removed by wire brushing. IMPORTANT! "Weatherflex Stabilising Solution" must be applied to any new pointing or re-facing repairs prior to coating with "Weatherflex Smooth" to prevent the alkalinity in the mortar from discolouring the paint (because although mortar hardens within 24 hours, it takes up to two months for full chemical cure!). Where the wall substrate is non-porous in nature (e.g. engineering bricks or granite stone) you should apply "Weatherflex Stabilising Solution" to improve adhesion. If in doubt a small test area of both stabilising solution and paint should be applied to check compatibility with the surface and if possible, left to weather. Note: This is especially important if there is a possibility that the surface might previously have been treated with a clear water repellent or similar.

Minor cracks of 1mm or less can be bridged simply by stippling the "Weatherflex Smooth" into the crack on the first coat.

Application

Stir thoroughly before use. Typical coverage is 5-6 sq m / litre on textured surfaces and on smooth surfaces may cover considerably further (7 to 8 sq m / litre). For best results a minimum of 2 x coats should be applied. Further coats may be required to obliterate strong background colours or surface staining. "Weatherflex Smooth" may be thinned in warm conditions or for bare substrates at a rate of 1 Litre clean water to 5 Litres of paint.

Apply by brush, high pressure airless sprayer or premium masonry roller.

Do not apply in temperatures below 7 °C or if wall surface temperature exceeds 32 °C. Do not apply in wet weather or if rain is expected within 24 hours of final coat. Allow 2 to 4 hours between coats (may vary depending on temperature and atmospheric conditions).

IMPORTANT: “Weatherflex Smooth” is a water-based, acrylic polymer and as with all water-based coatings curing is heavily dependent on temperature and humidity. On a warm summer’s day “Weatherflex Smooth” will typically achieve initial cure in less than two hours and re-coat may be possible within 2 hours. In winter when temperatures are lower and days shorter, try not to apply “Weatherflex Smooth” later than 1:00pm as it needs time to cure before the on-set of the evening dew point which stops the curing process and leaves it vulnerable to frost damage.

If applying by spray, we recommend a typical GRACO 4900 or 5900 series airless sprayer with the pressure set at 2500 psi and fitted with a 517 nozzle tip blade (17 thou) for optimum performance. Ensure that roof-lights and vents etc. are protected from over-spray and take precautions to avoid spray drift contamination of vehicle finishes in the vicinity. When spraying thin at a rate of 1 Litre clean water to 5 Litres of paint.

Coverage

The coating should be applied using brush or roller, aiming for a coverage of 8-10 sq mtr/litre for smooth surfaces and 4-6 sq mtr/litre on rough surfaces. Do not use outside when conditions are below 5 deg C over 24 hours or if rain is imminent. The paint will be touch dry in approx. 2 hours, allow 4-6 hours between coats. Clean all brushes and rollers immediately after use in warm soapy water.

Product Data for Weatherflex

Appearance	Matt finish
Coverage (textured/ rough surface)	5 – 6m ² / litre per coat
Solids content by volume	White: 40%, Colours will vary
Initial cure	1 – 4 Hours @ 20°C
Re-coat	2 - 4 Hours @ 20°C
Full cure	24 Hours @ 20°C
Application (surface) temperature	+7 °C to +32°C
Service temperature	-20 °C to +50°C

PACKAGING/COLOURS

“Weatherflex Smooth” is supplied in 5 & 10 litre buckets. We also have a full range of colour testers in 75ml size. Note: Computer screens and printers do not interpret colour consistently so we recommend that you order a tester before making your final colour choice. To avoid batch inconsistencies always order sufficient coloured paint for your entire project.

STORAGE

Store and transport upright. Store in original packaging in a cool dry place, out of direct sunlight and protect from frost. Note: Once frost damaged the product is unusable and cannot be recovered by warming up or any other means.

SHELF LIFE

The product has a shelf life of 12 months from the date of manufacture, subject to correct storage conditions.

VOC

EU limit for this product category: A/c: 40 g/l (2010). This product contains max: 10g/l (VOC content: Low (0.30 – 7.99%))

HEALTH & SAFETY

- If applying by spray wear a face mask (FFP2).
- When preparing and cleaning the surface wear a face mask (FFP2).
- Wear disposable gloves and overalls during preparation and application.
- Keep out of reach of children.
- Ensure good ventilation during application and drying.
- Always dispose of empty packaging responsibly.

The product is non-hazardous in normal use.

Before using this product read the Material Safety Data Sheet which can be obtained at www.kingfisheruk.com or by calling the Kingfisher Technical Dept. Tel: 01229 869 100.

The information given in this product data sheet is given in good faith, based on current knowledge and experience. It relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is to the best of the company's knowledge and belief, accurate as of the date indicated.

All recommendations are made without warranty or guarantee, as to accuracy, reliability or completeness since the conditions of use are beyond our control. It is the user's responsibility to satisfy themselves as to the suitability and application of such information for their own use.