



KOLOURSEAL ROOF COATING

DESCRIPTION

Kingfisher Kolourseal is an advanced high-bond, styrene acrylic polymer coating system specifically designed to completely renovate and transform;

- Concrete Roof Tiles
- Clay Roof Tiles (except Rosemary tiles)
- Artificial Slate
- Asbestos Sheets & Tiles

Using new advanced micro polymer technology, Kingfisher have produced a highly durable product which not only seals porous roof tiles but transforms and enhances the appearance of the property.

The Kingfisher Kolourseal coating system is micro porous, allowing moisture vapour to pass through the film from the roof substrate to the atmosphere while remaining impervious to mass water penetration. This permeability function prevents blistering, delamination and premature adhesion failure when the system is installed correctly. "Kolourseal" is also UV light resistant and thus combats the sun's fading action, helping the coating to retain its colour over long periods.

PREPARATION

Correct surface preparation is the key to successful roof coating.

1. Clean the roof

To ensure that the coating bonds to the roof substrate, the surface must firstly be cleansed of all moss, mould, lichen, carbon deposits and airborne dirt. When cleaning concrete roof tiles, cement fibre or clay roof tiles, these should be thoroughly pressure washed using a commercial spec pressure washer, ideally with an output pressure of 2500 to 3000 psi and a spray lance equipped with a "rotary turbo-jet" nozzle (Note: If hiring a pressure washer, ask for a minimum 100ft /30m hose). You should always start from the ridge of the roof and pressure wash downwards. The lance should never be pointed up the roof as this will potentially jet water under the tiles and into the roof space. Before commencing pressure washing "bung" the gutter downpipes with a mesh filter or similar to prevent blockage to the roof drainage system.

When cleaning asbestos cement (AC) tiles or corrugated roof sheets, health and safety regulations generally preclude the use of pressure washers as this can promote random fibre release. These roofs must be manually cleaned by spray applying Kingfisher "[Biocidal Wash](#)" which is then left activate for 7 to 10 days. The roof is then manually cleaned /agitated with a stiff bristle broom or "deck scrubber" which can be dipped in a bucket of warm water with "Biocidal wash" and a little liquid detergent. Rinse thoroughly with a "soft" hose (no spray attachment) and allow to dry.

Operatives cleaning AC roof sheets or tiles should refer to HSE document "A12" for guidance. PPE: FFP3 dust mask, disposable coveralls, rubber gloves and boots.

2. Repairs

It is often only after cleaning that the full extent of required repairs becomes obvious. Replace cracked or broken tiles with new or good condition weathered tiles (sometimes a better match!) and re-point ridges, hips and verges as required. All repairs / re-pointing works to ridges, hips etc should incorporate [Kingfisher "Pointing Solution"](#) in the mortar mix (in place of standard cement plasticiser) to reduce cracking, improve flexibility and enhance the longevity of the repair.

We recommend a minimum interval of 24 hours should be allowed for mortar repairs to achieve initial cure before proceeding to coating and these repairs MUST be treated with Kingfisher ["Weatherflex Stabilising Solution"](#) before the Kolourseal is applied. The stabilising solution neutralises the alkalinity in the cement and prevents the fresh coating from delaminating as the new mortar cures through. This unfortunate chemical reaction can be seen on many poorly executed roof coating projects where paint has flaked off along the ridge mortar or hip beds!

Asbestos roof sheets require different treatment as they are typically subject to fixing decay and hairline cracks. These can often be remediated with the application of Kingfisher ["1 for All"](#) which is an all-purpose high-bond, high-integrity sealant. Porous or friable sheets must be treated with Kingfisher ["Weatherflex Stabilising Solution"](#) to improve surface stability and adhesion of the subsequent Kolourseal application.

3. Biocidal Wash Treatment

After cleaning (once dry) the roof should be sprayed with Kingfisher ["Biocidal Wash"](#). This is applied by low pressure sprayer (as for weed killer etc) to the entire roof surface and is left to dry out (do not rinse). This is an extremely important phase in the renovation process because this will greatly reduce the possibility of moss or lichens re-growing under the new coating. The pressure washing process leaves the roof looking clean and usually a 100% better than before but the moss root systems and mould/lichen spores are still present in hundreds of microscopic crevices e.g. between tiles.

Spraying the roof liberally with Kingfisher ["Biocidal Wash"](#) ensures that the roof surface is sanitised and inert, ready for the first coat of Kolourseal roof coating.

APPLICATION (2 COATS BY SPRAY/BRUSH/ROLLER)

Ideally you should apply the "Kolourseal" roof coating via an airless spray machine (e.g. GRACO 4900/5900 series) at 2200psi via a "17 thou" tip blade, as this tends to give the quickest application and most uniform finish. Nevertheless, edges will often need to be "cut in" by hand to avoid unsightly over-spray.

When spraying, care should be taken to mask off dormer windows, skylights and lead valleys etc. Remove vehicles from the immediate vicinity and if conditions are windy assess the spray drift risk to any neighbouring properties / vehicles.

It is of course possible to apply "Kolourseal" roof coating by brush but this is significantly more time consuming than spray application. In a full exterior project "Kolourseal" is frequently applied to facing bricks around the bottom of the exterior walls (usually below the render bell cap) to give a pleasing finish which matches the roof. This can be roller applied if desired.

Whatever the application method, it is vital that two coats are applied to achieve the required depth of colour and surface protection.

Temperature Application range: Do not apply in temperatures below 6 degrees C or if roof surface temperature exceeds 32 degrees C. Do not apply in wet weather or if rain is expected within 6 hours of final coat. Allow 1 to 6 hours between coats depending on temperature/

atmospheric conditions. **IMPORTANT:** “Kolourseal” is a water-based, styrene acrylic polymer and as with all water-based coatings curing is heavily dependent on temperature and humidity. On a warm summer’s day “Kolourseal” will achieve initial cure in less than 15 minutes and re-coat is often possible within an hour. In winter when temperatures are lower and days shorter, try not to apply the coating 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.

COVERAGE

Kingfisher Kolourseal will cover approximately 5-6 m² per litre depending upon the porosity and texture of the surface it is being applied to.

PACKAGING /COLOURS

Kingfisher “Kolourseal” is supplied in durable 20Kg polypropylene buckets complete with air tight snap ring seal so they don’t leak or break easily in transport. The bucket shape is compatible with most “high boy” configuration commercial paint spraying equipment. We also have a full range of colour testers in 75ml size.

Note: Remember computer screens and printers do not interpret colour consistently so we recommend that you order a tester before making your final colour choice.



HEALTH & SAFETY

- Avoid contact with skin and eyes (Wear gloves, mask & eye protection).
- If contact occurs wash immediately with plenty of water.
- Keep out of reach of children.
- Ensure good ventilation during application and drying.
- **IMPORTANT!** Working at height can be dangerous.
- Always seek the advice of a competent professional before beginning work on any roof.

THE PRODUCT IS NON FLAMMABLE



For further Health and Safety information on this product please refer to the Kingfisher Safety Data Sheet, copies of which are available from the Kingfisher Technical Dept. Tel. 01229 869100 or at www.kingfisher.com

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