

HOW TO GUIDE



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Important! Kingfisher "How To" guides offer a step-by-step overview showing you how the products can be used together to tackle various projects but they should always be read in conjunction with the individual "Product Data Sheet" to familiarise you with specific application details for each product. Always refer to the "Material Safety Data Sheet" before use. The data sheets can be obtained at www.kingfisheruk.com or by calling 01229 869 100.



RENOVATE ASBESTOS CEMENT (AC) ROOFING

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The use of Asbestos Cement (AC) was banned in new buildings in 1990 due to growing concerns about the health hazards posed by asbestos fibre release, especially during construction and maintenance.

However existing buildings fitted with AC roofing materials including the familiar corrugated roof sheets and the less common roof tiles can continue to provide useful and safe service for many years providing they are correctly maintained and managed.

Whether it is a single bay garage or a hundred thousand sq ft warehouse, by adopting the following methodical approach, AC roofs can often be repaired and renovated to provide a dramatically improved appearance, weather resistance and extended lifespan. This “How to” will explain what you need to do to repair leaks, prepare the surface and effectively coat AC sheets to weatherproof them against the elements and reduce fibre release risks.

IMPORTANT

Important Note: AC roofs can be fragile and must be approached with caution using the correct weight spreading crawler boards, harnessing, access equipment etc. Also, you should wear minimum FFP3 dust mask, rubber gloves/ boots and disposable coveralls when working with asbestos. We are primarily coatings manufacturers NOT Health & Safety advisors and as such we do not offer definitive guidance on “working at height” or “working with asbestos”, so we recommend that you consult a competent Health & Safety professional before commencing work.

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PRE-TREAT ROOF (KILLS MOSS, GREEN MOULD & LICHENS).

SUGGESTED PRODUCT - KINGFISHER BIO WASH

Kill any organic matter such as moss, green mould and lichens by liberally spraying the entire roof surface with Kingfisher "Bio Wash" using a low pressure sprayer (as for garden weed-killer) and leave for seven days to activate. This effectively sanitises the roof surface by killing the obvious areas of growth as well as the hidden spores buried deep in the substrate and overlap joints.

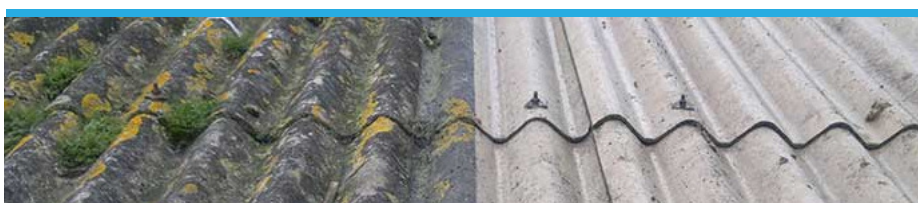


2

REMOVE DEBRIS AND CLEAN ROOF

Thoroughly damp the roof by mist spraying with water (suppresses release of harmful fibres) and brush/ scrape the dead moss and other surface dirt and laitance into bags for disposal as AC waste. Alternatively for larger areas the "closed box" pressure washing method described in HSE doc A12 can be used but the waste sludge and water run-off have to be collected in the gutters and down pipe. This involves diverting all run off into one down pipe usually temporarily modified on site to divert the water into a mobile water filtration system. Allow to dry.

Note: DO NOT pressure wash asbestos with a lance attachment as this may result in the uncontrolled release of potentially harmful asbestos fibres. There is a highly informative two page document covering this on the HSE web site, reference number A12 which can easily be downloaded for your further reference.



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3

REPAIR ROOF

SUGGESTED PRODUCT - 1 FOR ALL SEALANT, "FIBRESEAL" & "SCRIM MESH"

General: Sealers and coatings should only be applied to essentially "sound" roofs so a pre- inspection of the roof structure and surface condition should always be undertaken by a competent person (e.g. experienced roofing contractor or structural engineer) before commencing works. This will determine whether the supporting steel / timbers are in need of repair and identify any cladding / roof sheets which are damaged or decayed beyond practical repair and therefore need complete replacement. In addition this inspection will typically inform the competent person's choice of access equipment to be used for safe execution of the works.

Minor Repairs: Any minor cracks or holes, especially around fixings can be filled with "Kingfisher 1 For All" hybrid polymer sealant. **DO NOT USE SILICONE MASTIC!** Cracks of up to 3mm can be successfully filled by applying a bead of "1 For All" along the crack and then pressing / smearing it firmly into the damaged area. We recommend wearing disposable latex gloves for this task as the hybrid polymer, whilst neutral in its formulation is very highly adhesive! "1 For All" is fully over-paintable once cured but try to avoid applying primer to it. Note: Kingfisher "Multi-task" wipes are formulated to quickly remove "1 For All" from skin and tools before it cures.

Larger Repairs. Bigger cracks or holes can be bridged with "Kingfisher Fibre Seal" – a thixotropic fibre reinforced roofing compound & "Kingfisher Scrim Mesh". Apply one coat of "Fibre Seal" to the affected area and bed the fine mesh into the "Fibre Seal", then leave to cure. Once cured apply a second coat over the mesh. Avoid applying the "Asbestos Primer" to this repair and leave for a minimum of 2 days before applying "Kolorseal" or "Asbestos Roof Coating".



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PRIME ROOF (ASBESTOS SEALER & PRIMER)

SUGGESTED PRODUCT - ASBESTOS SEALER & PRIMER



Apply one coat of Kingfisher “Asbestos Sealer & Primer” by brush or spray. DO NOT over apply. Brush out any runs which may occur. The material should have soaked into the surface after approximately 20 minutes. Drying time will vary depending on the surface porosity and ambient temperature, but normally 4 – 8 hours should be allowed for each coat to fully dry. However, it is better to apply subsequent coats of “Kolourseal” or “Asbestos Roof Coating” whilst the primer still has a slight “tackiness” as this aids adhesion.



APPLY COATING

SUGGESTED PRODUCT - ASBESTOS ROOF COATING OR KOLOURSEAL



Apply 2 x coats by brush or airless spray. If applying by brush use a high quality masonry paint brush, working in broad even strokes, taking care not to over-apply. Pay close attention to sheet edges and corners ensuring that the coating is worked well into all crevices and joints.

If applying by high pressure 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.

Apply only in dry conditions to a dry surface, with no rain expected for at least 24 hours post application. As with all water based treatments, please be aware that you need to plan any exterior works to allow sufficient drying time for the product to cure before the evening dew point, especially in the shorter days of winter. On a roof surface warmed by the summer sun “Kingfisher Asbestos Roof Coating” will dry in under an hour, permitting two coats to be applied in one day whereas in winter initial cure can be 4 hours so only one coat is possible. DO NOT apply at air or surface temperatures below + 6 °C.

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