Asbestos Sealer & Primer

DESCRIPTION

Kingfisher “Asbestos Sealer & Primer” is a clear (when cured) penetrating sealing agent designed to stabilise and prime “Asbestos Cement” (AC) roof sheets and tiles. Kingfisher “Asbestos Sealer and Primer” is a fine particle, pure acrylic ester dispersion, formulated to penetrate effectively into the substrate where it seals the surface pores and capillaries.

Companion / Related Products:
- Kingfisher “Bio-Wash”
- Kingfisher “Asbestos Roof Coating”
- Kingfisher “1 for All” hybrid polymer sealant
(Refer to these individual product data sheets for detailed application guidance – published on our website www.kingfisheruk.com)

USES

Use on: Domestic, commercial, agricultural and industrial buildings fitted with asbestos cement roof sheets /cladding and some cement fibre sheets also. If in doubt, please call our technical services department on 01229 869 100 for guidance.

1. As an exterior “Sealer”.
The product is designed to provide a surface seal with no material build-up which will prevent “dusting” and also reduce potentially harmful fibre release. It can be applied externally as a short term “stand alone” product (2 x coats) but is best used with its companion product “Kingfisher Asbestos Roof Coating” to achieve long life weather resistance.

2. As an interior “Sealer”. “Asbestos Sealer & Primer” is a clear (when cured) treatment which will control “dusting” and can be used to treat the indoor face of asbestos roofs and cladding.

3. As a “Primer” or “Pre-treatment”.
Apply as a primer or pre-treatment for our “Asbestos Roof Coating” especially to friable areas, porous sheets or areas where the surface condition is otherwise imperfect. On larger industrial roofs it is not always necessary to apply to the whole roof unless the AC sheets are in very poor condition or exceptionally elderly (e.g. WW2 vintage).

ADVANTAGES

- Ease of application – straight from the can.
- Solvent free.
- Produces a colourless, sealed, non dusting finish.
- Tough finish which gives resistance to abrasion.
- Tools can be cleaned with soap and water after use.
- Reduces permeability of substrate to water.
- Greatly improves the coverage and adhesion of “Kolourseal” and “Asbestos Roof Coating”.
SURFACE PREPARATION

Liberally spray 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. Clean Roof (remove debris)
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.

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.

3. Repair Roof
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. 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 Fibreseal” – a thixotropic fibre reinforced roofing compound & “Kingfisher Scrim Mesh”. Apply one coat of “Fibreseal” to the affected area and bed the fine mesh into the “Fibreseal”, 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 “Kolourseal” or “Asbestos Roof Coating”.

APPLICATION (External)

Supplied ready to use, the product can be applied by brush, roller (except on corrugated profile) or low pressure (non-atomising) spray. One coat should normally be sufficient when used as a primer but when used as a stand alone sealer in exterior applications, two coats are usually preferable.

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 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.

DO NOT apply at air or surface temperatures below + 6 °C.
APPLICATION (Internal)

“Dusting” in the form of a light grey particle dust is sometimes observed beneath AC roofs. Such dust is most likely particles of cement shedding from the outer layer of the sheets, usually as a result of years of the condensation/drying out cycle. However, whilst most AC sheets were manufactured with the harmful asbestos fibres in the core for strength, you should assume the dust is contaminated and again take advice from a competent H&S professional who can guide you on de-contamination procedures etc.

Supplied ready to use, “Asbestos Sealer & Primer” can be applied by brush, roller (except on corrugated profile) or low pressure (non-atomising) spray. One application should normally be sufficient when used as an interior sealer but if in doubt apply to a test area and once cured check that brushing with a clean, dry paint brush does not release any dust. If this is successful proceed to full application, if not apply a second coat. A major advantage compared to painting is that being a clear water based acrylic any over-spray or over-brushing on beams, purlins and light fittings etc. is not as obvious as a paint, saving time on “masking off” precautions. During both testing and full application operatives will require standard asbestos protection PPE including paper body suit with hood, respirator, eye protection and gloves.

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PRODUCT DATA

<table>
<thead>
<tr>
<th>Appearance</th>
<th>White emulsion which dries to a clear film</th>
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</thead>
<tbody>
<tr>
<td>Coverage</td>
<td>4 – 6 m² / litre per coat</td>
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<tr>
<td>Density</td>
<td>1010 kg/m³</td>
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<tr>
<td>Initial Cure</td>
<td>4 – 8 Hours @ 20 °C</td>
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<tr>
<td>Full Cure</td>
<td>24 Hours @ 20 °C</td>
</tr>
<tr>
<td>Application temperature</td>
<td>+6 °C to +35 °C</td>
</tr>
<tr>
<td>Service Temperature</td>
<td>-20 °C to +50 °C</td>
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COVERAGE

4 - 6 m² per litre depending on the porosity of the surface.

STORAGE

Store in original packaging in a cool dry place, out of direct sunlight and protect from frost.

SHELF LIFE

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

• If applying by spray wear a face mask (FFP3).
• When preparing and cleaning the surface wear Pa face mask (minimum FFP3).
• Wear disposable gloves and overalls (with hood) during preparation and application.
• Avoid contact with skin and eyes.
• If contact occurs wash immediately with plenty of water.
• Keep out of reach of children.
• Ensure good ventilation during application and drying.
• Always dispose of empty packaging responsibly.
• Isolate and dispose of used PPE as asbestos contaminated waste.

The product is non-hazardous in normal use.

Note: AC roofs can be very fragile and must only be accessed with caution using the correct weight spreading crawler boards, harnessing, access platforms etc. 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 person or Health & Safety professional for guidance on all aspects (PPE, best practice etc.) before commencing any works.

For further Health and Safety information and before using this product please refer to the Kingfisher Material Safety Data Sheet (MSDS), copies of which are available from our website www.kingfisheruk.com or from the Kingfisher Technical Dept. Tel. 01229 869100 or Fax 01229 8681.