

Rubber Roof is formulated specifically for hand application and designed for use on domestic projects. Rubber Roof has outstanding adhesion properties and is completely eco-friendly. Rubber Roof is a safe alternative to traditional roofing systems and single-plyes alike and provides a quick & easy method of renovating and waterproofing both new and old roofs.

CLEANING

Prior to coating, the entire area should be thoroughly cleaned down to remove all dirt, dust, growth or other contaminants etc. We advise power washing the area with a minimum pressure of 2000psi however it is the responsibility of the applicator to determine the preferred method of cleaning. The main criteria is to provide a clean, dry surface to ensure the materials have a sufficient key to the surface and not to friable materials.



Upstands to existing services, flashings, parapets etc. should be covered with Rubber Roof and GeoTextile.

Outlets inspect the drain ware and outlets to ensure the free flow of waste water. Remove any covers or gratings, apply GeoTextile embedded into Rubber Roof as far into the outlet as possible.



APPLICATION - FLOOD COAT

If Rubber Roof is being used on a porous surface such as concrete, prior to preparation proceed with applying EcoProof Flood Coat to the area using a brush or roller at a typical application rate of 4-5sq/m per ltr (may vary depending on surface condition) and allow to cure.



APPLICATION - WATERPROOF

On completion of the cleaning and preparation, proceed with coating the area to be covered using Rubber Roof at a rate of 1ltr per sq/m on the first coat, and 1ltr per sq/m on the second coat (we advise 2 coats to avoid pinholing and to ensure a consistent coverage is achieved). Pour the Rubber Roof onto the surface and coat evenly using brush or roller. Allow the first coat to become touch dry before applying the second coat. Please note following application allow 72 hours for the system to fully cure and bond to the surface before proceeding to traffic the roof surface if required (Rubber Roof can be lightly foot trafficked in order to inspect and clean the roof). You can now proceed to apply any trims or carry out any additional works required.



PREPARATION

Rubber Roof can be applied to felt, asphalt, timber, concrete and many other surfaces (please check our website for the current list of applicable surfaces). Although the surface may vary, the method is always the same. Clean surface of area to be detailed, apply Rubber Roof, embed GeoTextile and brush flat ensuring no creases or fish mouths are present and allow to cure (typically 1-4 hours depending on weather).

Cracks in the existing surface should be repaired using Rubber Roof and GeoTextile reinforcing tape. Larger cracks should be filled with EcoProof Mastic.

FLEXIBLE WATERPROOF COATING GUIDE

MAINTENANCE

In accordance with good roofing practice it is the clients responsibility to ensure that the roof is regularly inspected and maintained to ensure the membrane is at its optimum performance. This includes removal of foreign materials and dirt and the repair of any damage by tradesmen, falling debris etc.

Limitations

Rubber Roof should not be applied when the ambient temperature is below 5°C. The uncured membrane may be damaged if frozen. Do not apply to wet or frozen surfaces or directly prior to rain. Keep containers upright and tightly closed when not in use and keep from freezing.

PHYSICAL PROPERTIES - LIQUID

| | |
|-------------------------------------|---|
| Composition | Water suspension of petroleum derived hydrocarbons (polymer modified emulsified asphalt) and inert fillers. |
| Expiry | 12 months if stored sealed |
| Flammability | Not flammable |
| Environmental risk | None |
| Organic properties | Odourless, brown liquid |
| Storage | Store frost free and sealed |
| Toxicity | None |
| Coverage rate | 2ltrs m ² |
| Dilution | None - ready to use |
| Maturing | Instantly showerproof |
| Specific gravity kg/ m ³ | Approx. 1.0 |
| Odour | None |
| Volatile Organic Compound | Contains no solvents |
| Colour | Brown |
| % solids (wt) | 57 - 62 |
| Viscosity, SSF @ 25°C (seconds) | 15 - 20 |
| pH | 10 - 12 |

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PERFORMANCE - CURED MEMBRANE

| Properties | Result |
|--|---|
| ASTM G 20 10% hydrochloric acid 10% sodium hydroxide | Resistant to atmospheric, chemical aerosols, or acid rain. Limited resistance to gasoline, diesel fuel and other petroleum products (see chemical resistance chart) |
| Saturated lime water | Passed (no loss of integrity) |
| Biological resistance ASTM E154, ASTM D412 | Passed |
| Impact resistance CSB37-GP-56 @ 23°C (j) | >19 |
| Impact resistance CSB37-GP-56 @ -10°C (j) | >27 |
| Water tightness after impact | Passed (no leakage) |
| Specific gravity g/cm ³ | Approx. 1.0 |
| Tensile strength ASTM D412 (p.s.i) | >22 |
| Adhesion to concrete strength ASTM C907: (amended to tensile adhesion (p.s.i)) | >50 |
| Law temperature mandrel @ -25°C | Passed |
| Crack bridging ASTM C836, un-aged -20°C | Passed (70 cycles) |
| Crack bridging ASTM C836, aged E20°C | Passed (10 cycles) |
| Puncture resistance CGSB 37-GP-56: (24 hours @ 29N @ -5°C) | Passed (no perforations) |
| Water vapour transmission ASTM E96, ng/Pa.sm ² | >6.6 |
| Water absorption CGSB37 - GP-56M, %inc | >2 |
| Accelerated weathering ASTM G155: D412 tensile strength: | Passed |
| Hardness (durometer type 00) | 78-80 |
| Canadian Construction Materials Centre | Approved (13175) |
| Colour | Black |