

Everbuild Aquaseal Liquid Roof



Colour	Product Code	Pack Size	Box Qty
Grey	AQLIQRFGY7	7 kg	4
	AQLIQRFGY21	21 kg	1

Product Description

Everbuild Aquaseal Liquid Roof is a fast-curing, polyurethane based waterproofing liquid membrane for flat and pitched roofs. Everbuild Aquaseal Liquid Roof has excellent adhesion to both porous and non-porous substrates and is suitable for use on new projects, extensions or to refurbish an existing, leaky roof. Liquid Roof has a moisture activated curing system that allows the product to use atmospheric moisture to trigger the curing process, which means that no catalyst is needed and the product is fast curing. With a 2 coat application to a variety of substrates this fast curing membrane cures in a range of weather conditions (see limitations) and is completely rain resistant in just 10 minutes. Liquid Roof will even cure if a pool of water forms on top of it!

Benefits

- Suitable for use with both new and old roofs.
- Moisture curing technology –no catalyst required.
- Fast curing – rain resistant after 10 minutes.
- All weather product.
- Ready to use – apply with brush or roller.
- Forms a seamless membrane.
- Can be reinforced.
- Easily recoated, no stripping required.
- Provides cost effective life-cycle extension of failing roofs.
- Vapour permeable – allows substrate to breathe.
- Elastic – retains flexibility even at low temperatures.
- Compatible with common substrates: Cement, concrete, brick, stone, metals, wood, tiles etc.

Areas for Use

- Water-proofing of flat and pitched roof structures.
- Treatment of new construction and refurbishment of existing structures.
- Ideal for use on concrete, mortar, brick, stone, fibre cement, roof tiles, metals, wood, tiles and asphalt. Can also be used on roofing felt and bituminous coatings however full reinforcement must be used with these surfaces as they may soften after application. Reinforce using a suitable reinforcing fleece.
- For waterproofing underneath tiles bonded with adhesives on balconies and terraces.

Limitations

- Do not apply on substrates with rising moisture.

- Full reinforcement must be used when applying onto asphalt, roofing felt and bituminous coatings as these surfaces may soften after application. Reinforce using a suitable reinforcing material.
- Not suitable for permanent water immersion or inverted roof structures.
- Must not be raining during application.
- Do not apply product at temperatures below 5°C.
- Test adhesion before full application, as priming may be required to some surfaces (e.g. metals, loose/friable cementitious surfaces).
- Vertical or steeply pitched surfaces may require an additional application to build adequate thickness.
- On substrates likely to exhibit outgassing, ensure substrate is thoroughly dry and apply during falling ambient and substrate temperatures. If applied during rising temperatures 'pin holing' may occur from rising vapour. In very severe cases, a suitable concrete primer may assist.
- Ensure an adequate site risk assessment has been conducted prior to starting work. Refer to safety datasheet for further guidance.
- May exhibit slight chalking at the surface – do not use run off water in live fish tanks etc.
- This product begins to react with air once opened. Tight fitting lids may become damaged on opening. It should be planned to use all material in one use as resealing for use at a later date is not recommended. Opened and unused material may thicken and produce gas if used at a later time.
- Do not use for indoor applications.
- Do not apply this product close to the air intake of running air conditioning units. Turn off or isolate if necessary.
- Volatile bituminous materials may stain and/or soften below the coating.
- Low melting point bituminous materials may need priming.

Application Conditions

Substrate temperature must be between +5°C and +60°C. Moisture content of substrate must be ≤4%.

Ambient temperature must be between +5°C and +40°C and maximum 85% relative humidity.

Beware of condensation as it may affect adhesion and appearance.

Ensure substrate is in good condition e.g. cracks sealed, sound joints, tiles securely fastened etc. All timbers used in roof constructions must be suitable for exterior use. Adhere to good building practices in the selection of building materials and design of roof constructions.

Make sure any gaps are filled with an appropriate sealant before using Everbuild Liquid Roof.

Application

Everbuild Aquaseal Liquid Roof can be applied using a soft bristle brush or a solvent resistant roller. If product has settled or separated on opening, stir gently in order to achieve a uniform colour. Do not overmix as this will cause air entrainment.

Generally priming is not required (see limitations); for porous or irregular surfaces apply an additional priming coat of 0.25-0.3L/m².

Ensure all surfaces are sound, clean and free from dust and loose friable material prior to application. Protect handrails etc. with tape and/or plastic wrapping prior to application.

Roof coatings – At least two coats of 1 mm depth are needed. Allow for the first coat to dry before applying the second coat (6 hours at 20°C).

Ambient conditions	Minimum time between coats *
+5 °C / 50% r.h.	Allow overnight curing
+10 °C / 50% r.h.	12 hours
+20 °C / 50% r.h.	6 hours
+30 °C / 50% r.h.	4 hours

*If time between coats is longer than 4 days, clean surface and apply reactivation primer before applying second coat.

Cleaning

Clean all tools and equipment with xylene immediately after use. Hardened/cured material can only be removed mechanically. Wash hands and skin with soapy water, or use Everbuild Wonder Wipes.

Specific Data

TEST	RESULT
Appearance	Grey liquid
Specific Gravity @ 20°C	~ 1.42 kg / litre
Solid content	~ 80% by weight
Coverage	0.7 – 2 L/m ²
Tensile strength (EN ISO 527-3)	~ 4.5 N/mm ² unreinforced ~8 N/mm ² reinforced
Elongation at break (EN ISO 527-3)	~ 180% unreinforced ~ 150% unreinforced, after heat aging ~ 50% reinforced
Tensile load	370 N reinforced

Level of Performance

TEST	RESULT
External fire performance	Broof (t1)
Reaction to fire	Euroclass E
Categorisation by working life	W2
Categorisation by climatic zones	M and S
Categorisation by imposed loads (hard substrate only)	P4
Categorisation by roof slope	S1 – S4
Categorisation by surface temp.	Lowest: TL3. Highest: TH3.
Water vapour diffusion (Sd)	3.47m
Resistance to wind loads	>50 kPa

Health & Safety

Consult MSDS for full list of hazards.

Storage

Store upright in original packaging. Keep in a dry, well-ventilated area at 0°C to 25°C. Protect from sunlight and frost.

Shelf Life

12 months from date of manufacture in unopened containers. Storage temperatures above 25°C may reduce shelf life.

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