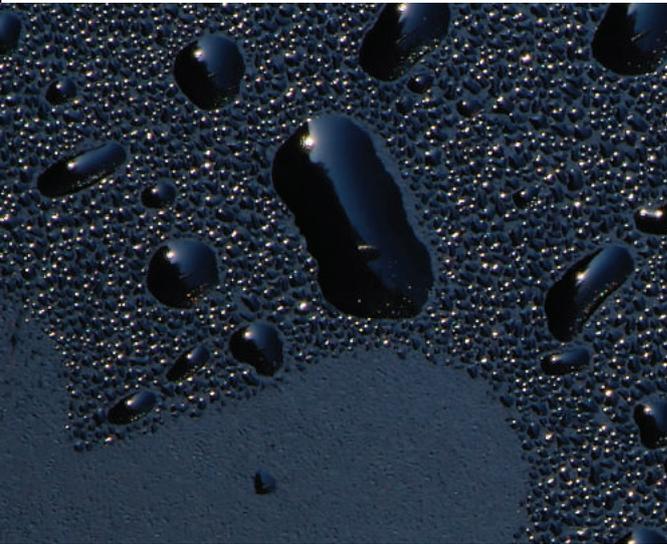


REV:6-30/09/15

# Liquid Rubber Metal Specification



# Liquid Rubber Metal Specification

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4. Additional Information

# Liquid Rubber Metal Specification

## 1. Preparation:

Prior to commencing the existing roof should be thoroughly cleaned down to remove all dirt, fungal growth, loose solar coverings, dust etc. We recommend power washing the roof with a minimum pressure of 2000 psi however it is the contractors responsibility to determine the preferred method of cleaning. The main criteria are to provide a clean, dry surface to ensure the materials can key to the surface and not to the friable material.

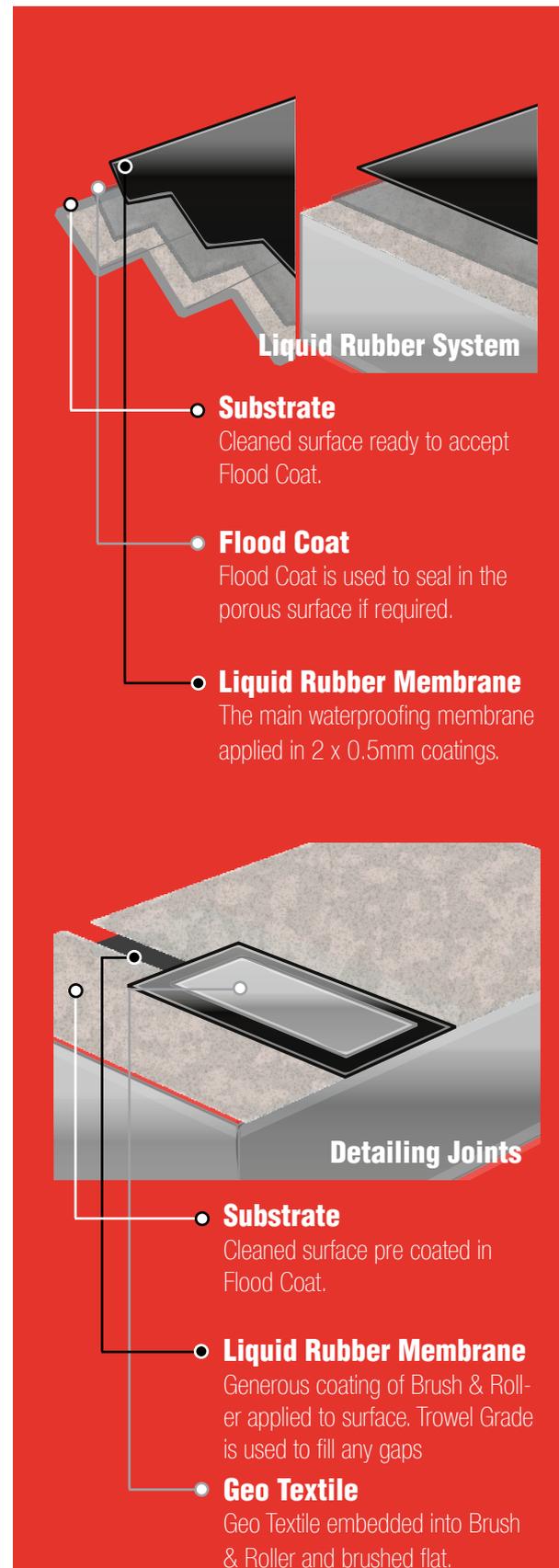
**Liquid Rubber Flood Coat** On completion of the cleaning works we recommend coating the whole of the roof area and upstands with Liquid Rubber Flood Coat. Flood Coat can be applied by brush, roller or airless spray at an application rate of approx. 4-5 sq/m per litre.

**Areas of standing water** In accordance with good roofing practice areas of standing water should be avoided. Self-levelling compound can be applied to such areas. LRS Self leveller kits are also available with a curing time of approx. 20 minutes.

**Upstands** to existing services, flashings, parapets etc. should be covered with Brush & Roller and GeoTextile reinforcing membrane.

**Existing fixings** brush apply Liquid Rubber Brush & Roller around the heads and washers of all exposed fixings.

**Standing Seam Metal Roofs** All internal angles on standing seam metal roofs are to be coated with an initial layer of Brush & Roller at a rate of 1 ltr per sq/m.



# Liquid Rubber Metal Specification

## Preparation:

Applying LRS Brush & Roller and GeoTextile reinforcement to upstands. etc

Apply a liberal first coat of Brush & Roller to the areas concerned. Pre-cut the Geo Textile reinforcing tape to size and bed into the Brush & Roller, shiny side up. Using a clean brush smooth the Geo Textile out forcing Brush & Roller through the GeoTextile. Apply extra Brush & Roller as required to fully coat the GeoTextile, spread any surplus Brush & Roller onto the next upstands to be coated. Avoid creating creases or blisters in the GeoTextile.

Where the membrane is required to be dressed into the mortar course and should be raked out and re-pointed with Liquid Rubber Trowel Grade. When applying Liquid Rubber onto brickwork without dressing into the mortar course the membrane should be finished in the middle of the brick course.

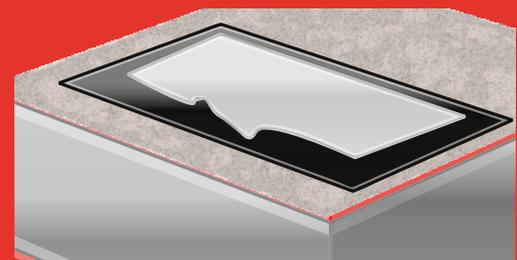
When applying to services, vents etc. the GeoTextile reinforcing membrane should be pre-cut to closely follow the profile of the upstand. The reinforcing membrane should be fully embedded into the Brush & Roller, care should be taken to avoid any bridging or creases in the membrane.

Existing repairs loose or unstable repairs to be removed and new repairs carried out using GeoTextile reinforcing membrane embedded into Liquid Rubber Brush & Roller.

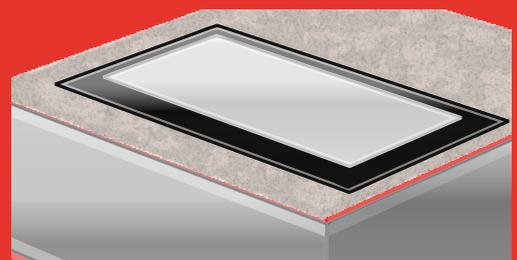
Outlets inspect the drain ware and outlets to ensure the free flow of waste water. Remove any covers or gratings, apply GeoTextile embedded into Liquid Rubber Brush & Roller as far into the outlet as possible.



- **Substrate/Wall**  
Cleaned surface pre coated in Flood Coat.
- **Liquid Rubber Membrane**  
Generous coating of Brush & Roller applied to surface.
- **Geo Textile**  
Geo Textile embedded into Brush & Roller and brushed flat.



**Please ensure** that when applying Geo Textile that it is completely flat and free of gaps or fish mouths.



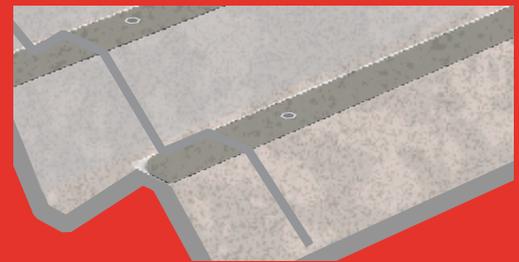
**The perfect finish for Geo Textile** leaves it flat to the surface and free of gaps fully embedded into the Brush & Roller below.

## Liquid Rubber Metal Specification

### Preparation:

**Bolt Heads/Fixings** Care should be taken to ensure all bolt heads and fixings and the surrounding surface extending 15mm are coated with a combination of Liquid Rubber Trowel Grade and Liquid Rubber Brush & Roller. It is the responsibility of the contractor to choose the appropriate materials to be used depending on the precise nature of the fixings, what is essential is that the finished coating is not penetrated by any of the bolt heads or fixings.

**GRP Roof Lights** Prior to main membrane application all GRP rooflights are to be coated with Brush & Roller at a rate of 0.5 ltr per sq/m.



**Bolt Head/Fixing** exposed bolt head



**Liquid Rubber Brush & Roller** applied to the exposed bolt head and the surrounding area.

## Liquid Rubber Metal Specification

### Preparation:

**Plastisol** Any loose or de-laminating Plastisol coating to be removed and the exposed steel coated with an initial layer of Liquid Rubber Membrane approx 0.5mm thick.

**Existing ridge flashing**, The existing ridge flashing to be inspected and particular attention given to the stability of the existing fillers and Plastisol coating to the sheets concealed by the ridge. If the fillers and coating are in a sound condition the new membrane should be applied under the ridge as far as practical without disturbing the existing fixings.

End laps and fixings to the ridge to be coated with an initial layer of liquid rubber membrane. If there is any doubt regarding the stability of the ridge fillers the existing flashing should be removed, Liquid Rubber membrane applied to the concealed areas and new profiled fillers embedded into the membrane.

Fillers should be positioned at least 80mm from the edge of the flashing. After the ridge has been re-fixed all fixings and end laps should be treated with an initial coat of Liquid rubber .

Alternatively the fixings to the ridge can be removed, new profile fillers fitted along the edge of the flashing and embedded in membrane. After the ridge has been re-fixed an initial coat of membrane should be applied over the exposed face of the filler, lapping onto the main roof and ridge capping to form a seamless membrane over the whole of the ridge area.

# Liquid Rubber

## Metal Specification

**Detailing** Please leave between 1-2 hours for detailing to be fully cured before application of main membrane.

**Coverage Rate** When using Liquid Rubber Brush & Roller on metal an application rate of 1ltr per sq/m in a single coat is to be maintained. This can be achieved by measuring the area to be covered and by weighing or decanting the necessary volume, 1Kg = 1Ltr.

**Surface Area** When calculating areas be sure to include the surface area to avoid a shortfall in product.

### Liquid Rubber Approved Contractor Training

LRS host training programmes every three months to provide contractors with the necessary skills and product knowledge to become a fully certified Liquid Rubber Approved Contractor. For more information please call our technical help desk or email one of our team.

## 2. Application:

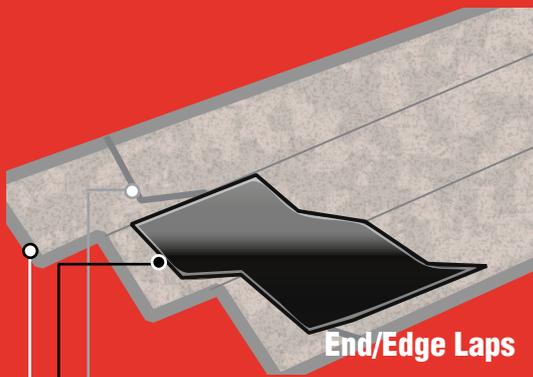
**Liquid Rubber Brush & Roller** is a two coat system applied by brush, roller or airless spray. The contractor is to determine the most suitable method of application.

L.R. Brush & Roller should be applied at an average rate of 1.0Lt per sq/m per coat. Allow the first coat to dry before applying the second coat. Use area to volume calculations to ensure the correct coverage. Plan your application method working towards your exit point.

**Liquid Rubber Instant Set Spray Grade** is a specialist single coat application normally used on larger projects and can be applied at a rate of approx. 800 sq/m per day. Instant Set Spray Grade has to be applied by an approved/trained spray team using bespoke spray equipment. Please consult our specific manual for coverage, methodology, advice and training.

Arrangements can be made to hire a spray machine to apply the main membrane with all preparation work being carried out by the contractor. Contact our technical help desk for further information.

# Liquid Rubber Metal Specification



- **Substrate**

Cleaned metal sheet pre coated in Flood Coat

- **Edge Lap**

Cleaned edge lap free of rust and dirt.

- **Liquid Rubber Brush & Roller**

Generous coating of Brush & Roller overlapping joints by 100mm. Use Geo Textile if required.

### 3. End/Edge Lap Treatment:

The ends of all roof sheets at laps, gutters and overhangs should be thoroughly cleaned down to remove any dirt or other contaminants.

All de-laminating Plastisol coating to be removed, scraped back to a point where the coating is sound and fully bonded.

Any previously trapped moisture should be dried out, the exposed metal core cleaned down and any flaking rust removed.

Geo Textile reinforcing membrane to be applied over any holes or seriously affected areas in the metal sheet. The Geo Textile should be fully embedded into Liquid Rubber Brush & Roller using a clean brush. Care to be taken to ensure the reinforcing membrane is fully embedded avoiding any blisters or bridging between the corrugations. Rusting around fixings. If there is evidence of rusting around fixings we suggest investigating the extent of the problem.

Surface rust caused by swarf during the initial installation of the roof should be treated with a coat of Liquid Rubber Brush & Roller membrane. If the rusting is more extreme, eg. the sheets have totally corroded around the fixing, it may be necessary to remove the fixings, treat the area with Brush & Roller and Geo Textile membrane and replace the fixings allowing for larger sealing washers.

On completion of the preparation works Liquid Rubber Brush & Roller should be applied by brush to the ends of all sheets generally extending at least 100mm beyond the furthest point of the exposed metal core.

# Liquid Rubber

## Metal Specification

**Limitations** Liquid Rubber 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.

**Caution** Avoid storage below 5°C, keep out of direct sunlight. Please consult data sheets before using Liquid Rubber.

### Contact Us:

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[liquidrubber.co.uk](http://liquidrubber.co.uk)

### 4. Additional Information:

**Liquid Rubber Optional Finishes** Liquid Rubber is UV resistant and is not significantly affected by solar gain.

A coloured aggregated system can be applied to the Liquid Rubber Membrane by broadcasting 2kg sq/m of LRS aggregate into a wet Liquid Rubber Brush & Roller holding layer of 0.5ltr per sq/m to offer a more hard-wearing system with thermal benefits.

**Handling** Keep containers upright and tightly closed when not in use and keep from freezing.

**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. For further information please consult our separate data sheet for maintenance and repair of Liquid Rubber membranes.