



# PROTEC XTRAFLEX

## TECHNICAL DATA SHEET

v1.0



## TECHNICAL DATASHEET: PROTEC XTRAFLEX

### INTRODUCTION

Protec Xtraflex is a highly flexible cold liquid applied, seamless waterproofing system, which is ideally suited for the waterproofing of metal gutters.

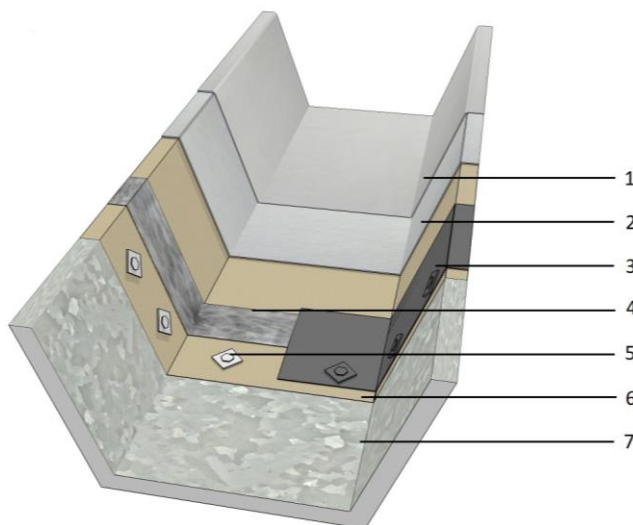
### KEY FEATURES

- Ideal for refurbishment of leaking gutters
- Flexible - Can be applied to metal surfaces
- Rapidly resistant to rainfall
- Cold applied - no hot works
- Totally seamless – no joints
- Excellent resistance to ponded water
- 20-year guarantee

### SPECIFYING THE SYSTEM

Polyroof offer a free specification service. It is recommended that Polyroof Technical Services are contacted to provide specific advice on any project. Where necessary a site survey will be arranged and a bespoke specification will be produced. **Please contact us on 0800 801 890 to discuss.**

### INDICATIVE BUILD UP



1. Protec XtraFlex 2nd Coat
2. Protec XtraFlex 1st Coat and PolyMat 450 reinforcement
3. Local reinforcements to Laps and Bolts - Protec Xtraflex and Polymat 450 (300mm Wide)
4. 75mm Polyroof Butyl Lap Tape
5. 50mm x 50mm Polyroof Butyl Bolt Tape
6. Polyroof Quick Dry 2-Pack Epoxy Primer
7. Metal Gutter

## SURFACE PREPARATION

**For full guidance on preparation of substrates please refer to the Protec Manual or contact Polyroof Technical Services for advice on 0800 801 890.**

All structures should be sound and free from defects. Ensure all fittings (bolts, seals etc.) are in good order.

All surfaces to be coated (including any coatings, repairs or test areas) are to be inspected and made good where required to provide a sound substrate for the new waterproofing system.

Surfaces must be clean, dry and free from contaminants such as dust, oil, grease, organic growth, and free from corrosion. Any areas of fungal growth or moss should be treated with Polykill W Anti-Fungal Wash.

All rust, loose and flaking materials are to be removed by wire brush or other means and all debris removed. Any areas of significant rusting which cannot be removed should be treated with a suitable proprietary rust converter.

Thoroughly wipe metal surfaces with acetone prior to priming.

**Note - To all new bright or un-weathered (non-oxidised) galvanized steel surfaces, Mordant T-Wash will be required. Consult Technical Services for further guidance.**

## EQUIPMENT

Apply using a Medium Pile Roller or Brush

## TEMPERATURE

The system may be applied between 3°C and 30°C.

## COLOUR

Protec XtraFlex is pre-pigmented in Light Grey.

## PRIMING

**The requirement for a primer will be dependent on the substrate. It is recommended Polyroof Technical Services are contacted for advice on 0800 801 890.**

Surface	Primer
Metal Surfaces:	<p>Polyroof Quick Dry 2-Pack Epoxy Primer</p> <p>Coverage Rate – 10-15m<sup>2</sup>/litre Touch Dry – 30 mins Overcoat – Allow Minimum 2-4 Hours</p> <p>A separate Technical Data Sheet for this primer is available from Polyroof Technical Services.</p>
Other Surfaces	Consult Polyroof Technical Services for guidance.

## MIXING AND CATALYSING THE RESIN

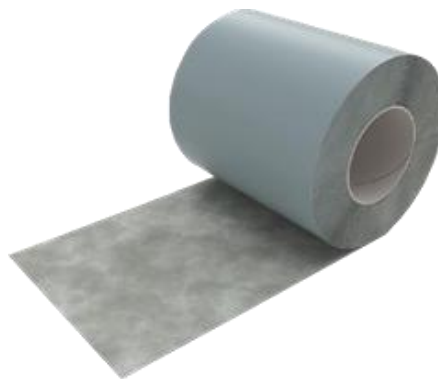
Protec Xtraflex is pre-pigmented in light grey. The Catalyst should be added to the pigmented resin. The minimum level of catalyst is 2% (**2 measuring spoons per litre of resin**). Ensure the catalyst is thoroughly mixed prior to use.

Temperature	Catalyst Addition Rate	Scoops per Litre
3-10°C *	4%	4 scoops
10-15°C	3%	3 scoops
15-20°C	2-3%	2-3 scoops
20-30°C	2%	2 scoops

## TREATMENT OF LAPS AND BOLTS (LOCAL REINFORCEMENTS)

**Lap Joints & Bolt Heads:** To all lap joints apply 75mm wide Polyroof Butyl Lap Tape and to all bolt heads apply 50mm x 50mm Polyroof Butyl Bolt Tape.

Apply one overall coat of Protec XtraFlex Resin and 300mm wide PolyMat 450 at a minimum coverage rate of 1.3 - 1.5Litres/m<sup>2</sup> (**0.66 - 0.77m<sup>2</sup>/Litre**) to locally reinforce the lap joints and bolt heads before application of main system. Allow to cure.



**Polyroof Butyl Bolt Tape (50mm)**

**Polyroof Butyl Lap tape (75mm)**

**Note – Butyl tapes should be used prior to locally reinforcing the area with Protec Xtraflex and 300mm wide Polymat 450. Separate Technical Datasheets are available for these products**

Other Details – For local reinforcement of other details consult technical services.

## MAIN APPLICATION

On completion of local reinforcements apply the main Protec Xtraflex system to the entire area as a two-coat system as follows. Allow to cure between coats.

1 <sup>st</sup> Coat	2 <sup>nd</sup> Coat
1.3-1.5 Litre / m <sup>2</sup> (with PolyMat 450)  Allow additional material for uneven or rough substrates.	0.5 Litres / m <sup>2</sup>

## CLEANING

---

All tools should be cleaned with Acetone immediately after use.

## PACKAGING & SHELF LIFE

---

Product (Key Components)	Pack Size	Code
Protec Xtraflex Resin	10.0 litre tin	121304
Protec Catalyst	1 Kg Container	102003
Taping Mat 450 (300mm)	18 1m roll	104021
PolyMat 450	17m <sup>2</sup> rolls	104003
PolyMat 450	30m <sup>2</sup> rolls	104016
Polyroof Quick Dry 2-Pack Epoxy Primer	4.0 litre pack	122066
Polyroof Butyl Lap Tape	75mm x 10m Roll	104401
Polyroof Butyl Bolt Tape	50mm x 15m Roll	104402

### Shelf Life

Shelf life 12 Months for Protec Xtraflex. This is based on unopened containers stored in dry, frost free conditions away from heat.

## MSDS

---

Material Safety Data Sheets available on request.