

## TECHNICAL SYSTEM SUMMARY

### PRO F System

#### BONDED SINGLE LAYER BITUMINOUS SOLUTION

The BauderPRO F system is a single layer bitumen waterproofing solution designed to be installed over Bauder insulation. The system offers a real alternative to traditional single ply membranes or bitumen single layer systems, which require the use of adhesive. Attachment of the system is primarily achieved by bonding the insulation and by partially bonding the membrane with a gas torch. A comprehensive range of guarantees are available for this system.

#### PRO F Cap Sheet

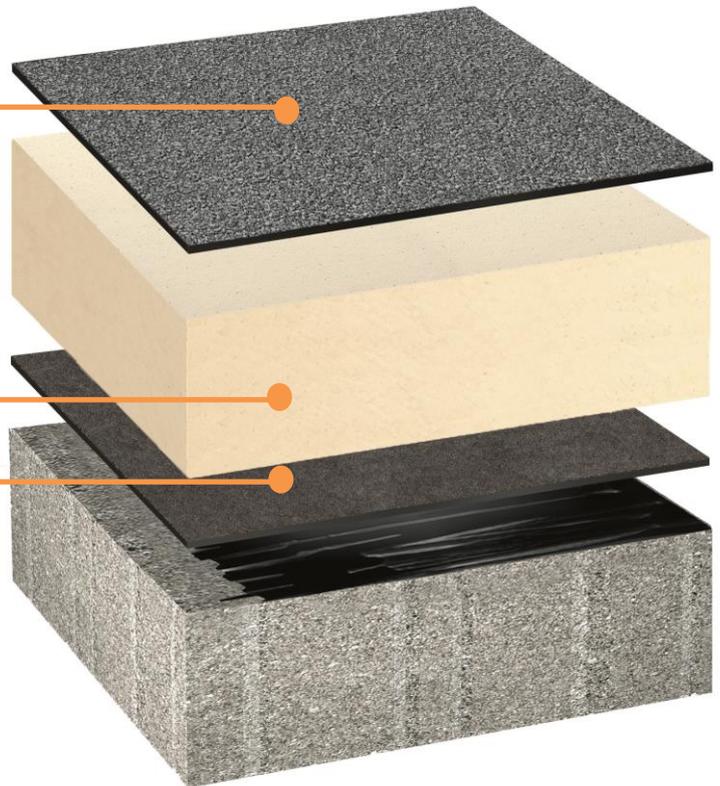
is a high quality, heavy duty, elastomeric bitumen membrane featuring a spunbound polyester reinforcement available in a grey/white or natural slate finish.

#### BauderPIR Flatboard Insulation

is fully compatible with the PRO F membrane as well as being thermally efficient, lightweight, fire resistant and zero OPP rated. As an alternative, Bauder PIR Tapered Insulation can be used to provide improved drainage falls.

#### EVA 35 vapour barrier

is a robust, torch-applied 3.5mm thick SBS modified bitumen vapour barrier.



#### When to Specify

The PRO F system is suitable for a variety of applications on both new build and refurbishment projects, and for warm roof scenarios. This system is designed to be installed on flat roofs with a minimum fall of 1:60 (1 degree) and is appropriate for use on roofs with slopes up to 25°.

### Weight Loading



Product	Thickness (mm)	Weight (Kg/m <sup>2</sup> )
PRO F Capping Sheet	5.2	6 (Green/White) 6.1 (Natural slate)
BauderPIR Insulation	140*	4.2
Bauder EVA 35 Vapour barrier	3.5	4.5
<b>Totals</b>	<b>148.7</b>	<b>14.7/14.8</b>

\* Example insulation thickness shown above, achieves a typical 'U' value of 0.18W/m<sup>2</sup>K. The table below gives a comparison of the thicknesses needed to achieve U value requirements on a 18mm plywood deck.

### U Values



BAUDERPIR FLATBOARD INSULATION		
Thickness (mm)	Approx. 'U' value (W/m <sup>2</sup> K)	Weight (Kg/m <sup>2</sup> )
120	0.20	3.6
140	0.18	4.2
160	0.16	4.8
180	0.13	5.4