

## TECHNICAL SYSTEM SUMMARY

### PRO F System

#### MECHANICALLY FIXED SINGLE LAYER BITUMINOUS SOLUTION

The BauderPRO F system is a single layer bitumen waterproofing solution designed to be installed over Bauder insulation. It 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 undertaken with the use of high performance mechanical fasteners and extending tube, or washer plate combinations. A comprehensive range of guarantees are available for this system.

#### PRO F Cap Sheet

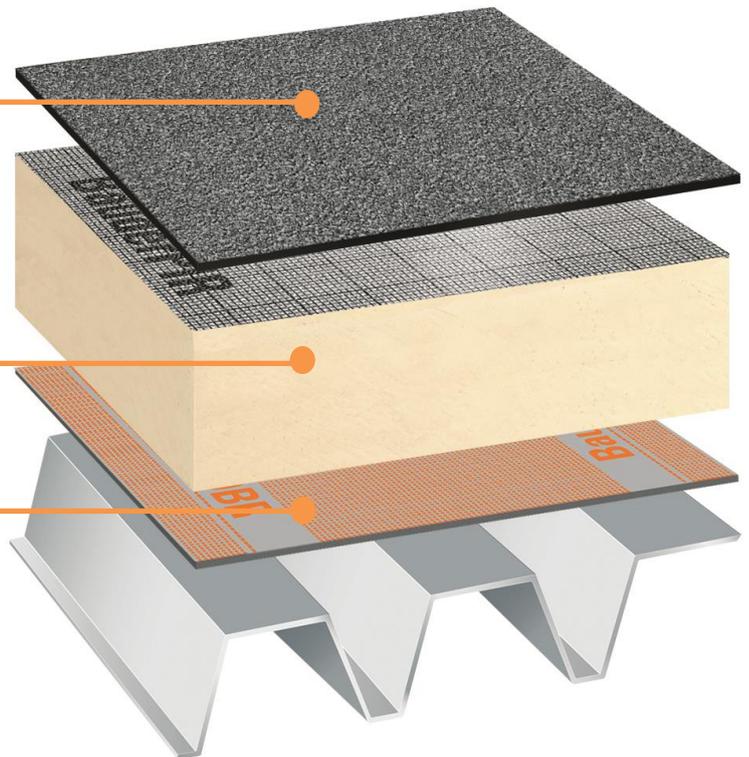
is a high quality, heavy duty, elastomeric bitumen membrane featuring a spunbound polyester reinforcement available in a grey/white, red or natural slate finish.

#### Bauder PIR FA-TE 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.

#### BauderTEC DBR

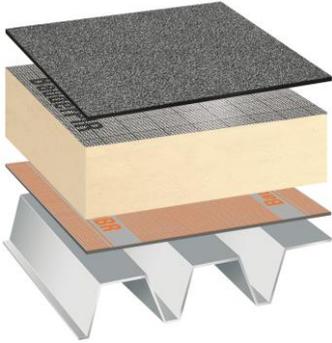
is a cold self-adhesive elastomeric bitumen membrane for metal or timber decks with either hot air or torch welding at the laps.



#### When to Specify

The mechanically fixed system is ideally suited for metal and timber deck constructions, though it can also be used on concrete decking. The system is designed to be installed on flat roofs with a minimum fall of 1:60 (1 degree) and is suitable for use on roofs with slopes up to 25°. Existing roofs should not have more than minimal ponding present.

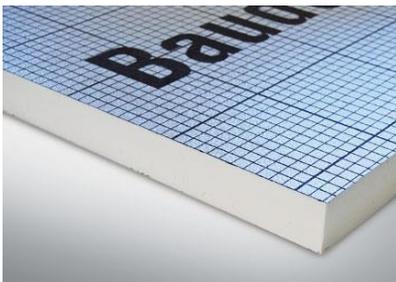
### Weight Loading



Product	Thickness (mm)	Weight (Kg/m <sup>2</sup> )
PRO F Capping Sheet	5.2	6 (Green/White) 6.1 (Natural & Red)
BauderPIR FA-TE Insulation	120*	3.6
BauderTEC DBR Vapour Barrier	0.4	0.4
<b>Totals</b>	<b>125.6</b>	<b>10.0/10.1</b>

\* Example insulation thickness shown above, achieves a typical 'U' value of 0.17W/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



BAUDER PIR FA-TE INSULATION		
Thickness (mm)	Approx. 'U' value (W/m <sup>2</sup> K)	Weight (Kg/m <sup>2</sup> )
110*	0.19	3.3
120	0.17	3.6
130*	0.16	3.9
140	0.15	4.2
150*	0.14	4.5
160	0.13	4.8
170*	0.12	5.1
180*	0.12	5.4
190*	0.11	5.7
200*	0.11	6.0

\* Denotes that this thickness is only available in quantities over 1000m<sup>2</sup>