

Specification clause: Roofing underlay to be Tileline Vapour Permeable supplied by Dreadnought Tiles, Pensnett, Brierley Hill, West Midlands DY5 4TH T: 01384 77405

E: sales@dreadnought-tiles.co.uk Underlay to be triple ply construction, 170gsm with waterproof and vapour permeable core laminated and protected between two layers of non-woven spun-bonded polypropylene, to achieve a hydrostatic head resistance of >7.0m.

Water vapour transmission resistance: 0.08 MNs/g / 0.016 Sd to BS EN ISO 12572.

Resistance to wind uplift: unrestricted use in Zones 1-5 (at 345mm batten gauge).

Underlay to be laid in accordance with BS 5534 and manufacturer's instructions.

**EN13859-1 Flexible Sheets for waterproofing -  
Definitions & characteristics of underlays  
Part 1 Underlays for discontinuous roofing**

Weight	184(-8) gsm	
Resistance to water penetration Before artificial aging After artificial aging	Class W1 Class W1	
Maximum tensile strength Before artificial aging After artificial aging	MD 320(-20)N/50mm 330(-20)N/50mm	CD 300(-30)N/50mm 290(-20)N/50mm
Elongation Before artificial aging After artificial aging	90(+15%) 70(-25%)	90(+15%) 70(-25%)
Tear resistance (nail shank)	190(-15)N	200(-15)N
Flexibility at low temperature	≤-40°C	
Water vapour resistance	≤0.10MNs/g	
Equivalent air layer thickness	≤0.02s <sub>d</sub> (m)	
Reaction to fire	NPD	

### BENEFITS

- Highly vapour permeable, but completely airtight (through the body of material at 2500Pa pressure)
- Fully watertight with >7.0m water resistance.
- Strongest underlay in its class and weight range.
- UV and heat resistant. Tough and durable.
- Can be used as temporary roof covering.
- Has 'unrestricted' use for wind uplift in all exposure conditions in UK & Ireland (BS 5534, zones 1-5 at 345mm batten gauge).
- BM TRADA independently certified.
- Helps to avoid condensation in the roofspace in line with BS5250& NHBC requirements



Dreadnought Tiles, Hinton Perry & Davenhill Ltd, Dreadnought Works, Pensnett, Brierley Hill, West Midlands DY5 4TH  
 Tel: 01384 77405 Fax 01384 74553 Email: sales@dreadnought-tiles.co.uk Website: www.dreadnought-tiles.