

1.0m x 50m ROLL

REWASI TOP UV+

BREATHABLE ROOF TILE UNDERLAY

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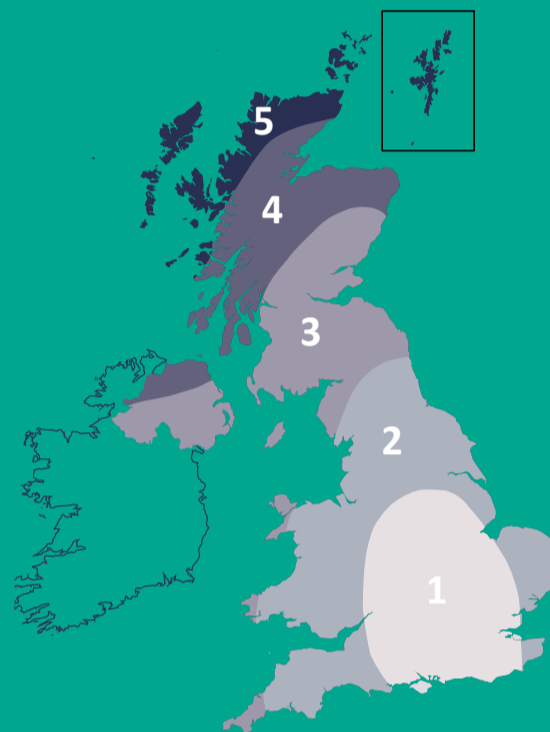
- Suitable for Wind Zones 1- 4
- Compliance with requirements of BS 5534 and BS 5250
- Patented Linopore® technology
- Improved wet and dry slip resistance for safety
- Lightweight and cost-effective
- Superior strength to weight ratio
- Cold and warm roof applications

BATTEN GAUGE	WIND UPLIFT RESISTANCE	WIND ZONES				
		1	2	3	4	5
≤345mm	1457 Pa	✓	✓	✓	✓	✓*
≤250mm	2493 Pa	✓	✓	✓	✓	✓
≤100mm	>2493 Pa	✓	✓	✓	✓	✓

\* When used with separate lap tape.

**NOTE 1:** Zone suitability applies only for underlays in applications where a well-sealed ceiling is present, ridge height is not greater than 15m, roof pitch is between 12.5° and 75°, site altitude is not greater than 100m, and no significant site topography is present. Other applications might require underlays with greater wind uplift resistance and it is advisable to seek professional advice.

**NOTE 2:** Zones 3 and 4 apply to Northern Ireland. Zone 3 applies to the Scilly Isles and Channel Islands. Zone 5 applies to the Shetland Islands.



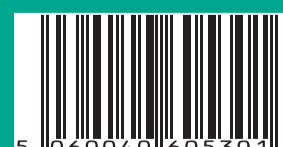
- Rewasi Top UV+ has been developed for use as a low resistance (breathable) roof tile and slate underlay. It is intended for use on pitched roofs as a secondary barrier installed beneath tiles and slates. The product can be used draped unsupported over timber rafters and counter battens, or fully supported on timber sarking or rigid insulation.
- The product should be installed in accordance with the manufacturer's installation guidelines and relevant clauses in BS 5534; *Slating and tiling for pitched roofs and vertical cladding. Code of practice*, and BS 8000, *Workmanship on building sites, Code of practice for slating and tiling of roofs and walls*.
- Rewasi Top UV+ will provide a secondary barrier to prevent the ingress of wind driven rain, snow and dust. It should be installed to ensure moisture in the batten cavity can drain freely down the roof and be discharged into the rainwater gutter at eaves.

See overleaf for Installation Guidance

 <b>A BWK PRODUCT REWASI TOP UV+</b>	
<b>BWK - Dachzuehor GmbH, D - 74549 Wolpershausen</b>	
<b>Flexible sheet for underlays</b> Low resistance underlay for discontinuous roofing	
<b>EN 13859-1:2014</b> <b>LE-DoP-Nr.: 64736476 _20200609</b>	



PRODUCT CODE:  
DLR-BWK 1.0



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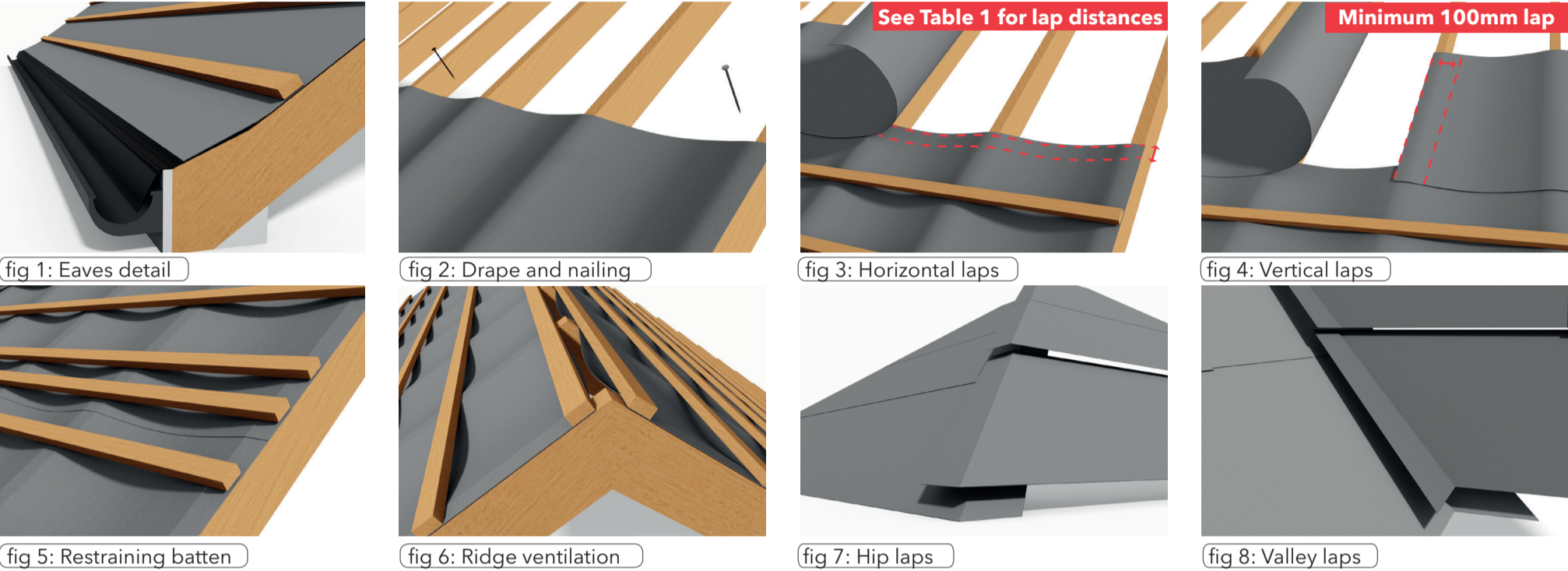
# REWASI TOP UV+

Rewasi Top UV+ is UV resistant and can be exposed on site for a maximum period of three months. However, it is recommended that the product be protected by the outer roof covering as soon as practicably possible and in keeping with good working practice.

Rewasi Top UV+ underlay should not come into contact with wet solvent or water based timber treatments. Operatives, particularly when using power tools, must prevent oil and petrol from spilling onto the surface of the underlay.

RewasiTop UV+ is a type LR underlay as defined in BS 5250, Annex H. The underlay can be installed as part of a system without ventilation, subject to the construction of a well-sealed ceiling incorporating a vapour control layer. However, this is difficult to achieve in practice and is acknowledged as not being fail safe. Therefore, it is highly recommended that the ventilation guidelines in BS 5250, *Code of practice for control of condensation in buildings* and *NHBC Standards Chapter 7.2 Pitched Roofs* are followed.

## Installation Guidelines



1. Install Danelaw eaves support tray or a suitable UV resistant membrane (eg. BS 8747 type 5U) along the eaves with the bottom edge dressed into the rainwater gutter. The support tray ends should be lapped or clipped together, or the 5U laid over a wedge support timber fillet and lapped.
2. Lay Rewasi Top UV+ printed side facing outwards, parallel to the eaves with the bottom edge overlapping the support tray (fig. 1) or 5U membrane by 150mm. The edge of the Rewasi Top UV+ roof tile underlay should not be exposed to UV once the first course of tiles or slates are installed.
3. Where unsupported, the Rewasi Top UV+ should be installed with a drape over timber rafters or counter battens of not less than 10mm and not greater than 15mm. It should be temporarily secured with the minimum number of clout nails above the upper overlap line at maximum 1200mm horizontal centres (fig. 2). Minimise any gaps in the horizontal laps resulting from different tautness in the underlay courses. The tile or slate battens should be installed at the appropriate gauge and fixed to provide the main anchorage point for the underlay.
4. Continue laying each course of Rewasi Top UV+ working up the roof pitch in the same way. It is important to ensure that upper layers of the underlay overlap lower layers by the correct amount (fig. 3). The product is printed with overlap lines for guidance and ease of installation. Please see Table 1 for the horizontal overlap distance for different roof pitches.
5. Vertical overlaps should be a minimum of 100mm and coincide with rafter positions where the underlay is unsupported (fig. 4). The distance from fixing to the edge of the underlay should be a minimum of 50mm. Avoid vertical laps over the same rafter in consecutive courses.
6. An additional batten should be installed where the horizontal underlay overlap does not coincide with the tile or slate batten centres. The additional batten is required to restrain the overlap and avoid contact between the underlay and tiles. Alternatively, the underlay overlap can be increased to coincide with the batten positions. The batten should be installed not more than 75mm from the bottom edge of the upper layer of the underlay (fig. 5).
7. Where ridge ventilation is not being provided, the Rewasi Top UV+ should extend over the ridge and overlap the underlay on the opposite side of the roof by the required amount (table 1). When being used in conjunction with ridge ventilation, the underlay should be cut or terminated on either side of the ridge line and secured to ensure that the ventilation path remains clear along the length of the ridge (fig. 6).
8. The Rewasi Top UV+ should extend over any hips and overlap the underlay on the opposite side of the hip by not less than 150mm beyond the junction line (fig. 7). Alternatively, lay a strip not less than 600mm wide along the length of the hip and over the underlay on either side.
9. Where valleys occur, the Rewasi Top UV+ should be laid not less than 300mm beyond the centre line of the valley on each side (fig. 8). Where a continuous length of underlay is laid up the length of the valley, it should be a minimum of 600mm wide and the underlay from either side of the valley should be mitre cut to the appropriate line to suit the valley trough installation requirements.
10. The side and top edges of Rewasi Top UV+ underlay should be turned up at abutments by not less than 100mm to form a secondary water resistant barrier beneath the flashing or abutment detail.
11. At verges, the Rewasi Top UV+ underlay should lap onto the outer skin of the masonry by a minimum 50mm when mortar bedding, or extend beyond the face of the gable as required when a dry fix verge system is used. The underlay should be secured to the flying rafter for an overhanging verge.
12. At all penetrations, such as soil pipes, roof windows etc., the Rewasi Top UV+ underlay should be cut neatly and turned up against the penetration. For pipes etc., the underlay should be cut accurately to a ✱ shape and the flaps turned upwards and taped to minimise the risk of water ingress through the underlay.
13. Any damage to the Rewasi Top UV+ underlay can be repaired by replacing damaged areas with a patch. The patch should be applied to ensure water can safely drain down the roof pitch and a water-resistant barrier is maintained. The patch can be sealed using an appropriate tape or sealant strip.

TABLE 1 Minimum Horizontal Overlap Underlay Vertical Laps 100mm When Lap Tapes are NOT Used			Essential Characteristics		Performance		Harmonised Technical Specification
					Result		EN 13859-1:2014  EN 13859-2:2014
			Reaction to fire [class]		E		
			Dangerous substances		none		
			Flexibility at low temperatures (°C)		-20°C		
			Water vapour transmissioin properties Sd [m]		0.02		
			Resistance to water penetration [class]	Before artificial ageing	W1		
				After artificial ageing	W1		
			Tensile strength [N/50mm]		Longitudinal	Transverse	
				Before artificial ageing	230	220	
After artificial ageing	195	174					
Elongation [%]		Longitudinal	Transverse				
	Before artificial ageing	60	40				
	After artificial ageing	49	32				
Tear Resistance [N]		Longitudinal	Transverse				
		90	100				

Rafter Pitch	Unsupported	Fully supported
12.5° < 15°	225 mm	150 mm
≥15°	150 mm	100 mm