

## PRODUCT DATA SHEET

### Traditional Bonding & Sand Shed Felt

#### PRODUCT USE

Primarily intended for use as an underlay in a traditional built up flat roof system for non-habitable outbuildings and garages when in conjunction with a suitable capsheet.

Also used as an economical weatherproofing membrane for sheds, non-habitable garden buildings and animal shelters. Life expectancy of the product varies greatly due to exposure to weather elements and also quality of installation.

#### COMPOSITION AND MANUFACTURE

The base carrier consists of a recycled rag fibre sheet which is saturated in penetration grade bitumen then coated both sides in oxidised bitumen. The coated material is finished on both surfaces with sand to prevent sticking in the roll. The membrane is cut to roll length, wrapped and labelled according to specification and customer requirement.

#### INSTALLATION

##### *Traditional Bonding*

Rose Traditional Bonding Felt is primarily used as an underlay / intermediate layer in an economical traditional built up felt roofing system. Ensure the roof substrate is sound before fixing underlay which should be nailed to roof substrate, then for best performance the successive layers of felt should be bonded using hot poured bitumen, the capsheet / topsheet should have a mineral upper surface, be finished with mineral chippings or painted with solar reflective paint to aid UV protection.

##### *Shed Felt*

Sand Shed felt can be used as a single layer, but for best performance install over a suitable underlay or apply 2 layers, which should be nailed onto the substrate. The Sand Shed felt should then be installed using clout nails and felt adhesive to seal the laps (75mm minimum). Start from the eaves (lengthwise), work upwards and finish with overlaying the ridge.

When installed as a single layer the minimum pitch of the roof should be greater than 20 degrees.

Membranes coated with oxidised bitumen remain flexible above 5°C. During colder periods care must be taken when handling and installing as to prevent cracking of the bitumen and damaging the membrane. It is not recommended to use below 5°C.

#### STORAGE & HANDLING

Do not drag rolls across rough surfaces, they should be lifted. They should be stood on their end on a dry surface. If using pallets do not stack more than 2 high. Avoid mechanical damage and wet storage conditions.

During colder periods it is recommended that rolls are stored at a temperature above 10°C for 24 hours prior to use, and not unrolled, folded or used in temperatures below 5°C.

#### PRODUCT COMPLIANCE

The product complies with **BS EN 13707:2004+A2:2009** and **CPR 305/2011/EU**. It is CE marked under the Factory Production Control Certificate number **0836-CPR-13/F049**.

## STANDARD PRODUCTS

Sand Shed Felt (Lightweight Bonding)	5mt	7kg	80 rolls per pallet
Lightweight Bonding	10mt	14kg	48 rolls per pallet
Traditional Bonding	10mt	18kg	42 rolls per pallet
Traditional Bonding (BS 747 1B)	20mt	36kg	25 rolls per pallet

Other lengths are available upon request dependent upon volume.

## TECHNICAL PERFORMANCE DATA AS REQUIRED BY HARMONISED STANDARD BS EN 13707

		Lightweight Bonding	Traditional Bonding
Characteristic	Specific Test ref.	Result	Result
Roll length*	BS EN 1848-1	10m	10m
Roll width**	BS EN 1848-1	1m	1m
Weight***	BS EN 1849-1	14kg	18kg
Watertightness	BS EN 1928 method a.	PASS	PASS
Tensile strength:****	BS EN 12311-1		
Longitudinal		345 N/50mm	365 N/50mm
Transverse		195 N/50mm	225 N/50mm
Elongation at maximum load:	BS EN 12311-1		
Longitudinal		2%	2%
Transverse		3%	4%
Resistance to tearing:****	BS EN 12310-1		
Longitudinal		80 N	135 N
Transverse		85 N	125 N
Straightness	BS EN 1848-1	PASS	PASS
Visible Defects	BS EN 1850-1	PASS	PASS
External Fire Performance	BS EN 13501-5	F <sub>ROOF(t4)</sub>	F <sub>ROOF(t4)</sub>
Reaction to Fire	BS EN 13501-1	F	F

\*tolerance of  $\geq 150$ mm

\*\*tolerance of  $\pm 1.5\%$

\*\*\*tolerance of  $\pm 7.5\%$

\*\*\*\*tolerance of  $\pm 15\%$

Rose Roofing is continually investigating methods of improving both quality and performance and therefore reserves the right to change specifications and product composition without prior notice.

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