

## PRODUCT DATA SHEET

### Lightweight & Traditional Capsheet

#### PRODUCT USE

Intended for use as the final layer in a traditional built up flat roof system for non-habitable outbuildings and garages. It can also be used as capsheet in a built up flat roof system for domestic and commercial extensions when in conjunction with a suitable underlay and/or further intermediate layers, however there are higher performing polyester based membranes available that will offer increased life expectancy and durability for this purpose.

#### 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 with a coloured coarse mineral upper surface to aid UV protection and a sand lower surface. The membrane is cut to roll length, wrapped and labelled according to specification and customer requirement.

#### INSTALLATION

Rose Roofing's range of Capsheets are used as the final layer in an economical traditional built up felt roofing system. They are typically installed in a two or three layer system.

In a two layer system both layers should be fully bonded using hot bitumen poured/mopped in front of the roll which is then unrolled into it, spreading it the full width to ensure complete adhesion. The side and end laps should be at least 75mm.

In a three layer system the underlay should be either mechanically fixed or partially bonded to the substrate, the intermediate and capsheet layers should then be fully bonded above.

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

Lightweight Capsheet	10m	29kg	30 rolls per pallet
Capsheet	10m	34kg	25 rolls per pallet
Traditional Capsheet Mineral (BS 747 1E)	10m	38kg	25 rolls per pallet

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

		<b>Lightweight Capsheet &amp; Capsheet</b>	<b>Traditional Capsheet Mineral</b>
<b>Characteristic</b>	<b>Specific Test ref.</b>	<b>Result</b>	<b>Result</b>
Roll length*	BS EN 1848-1	10m	10m
Roll width**	BS EN 1848-1	1m	1m
Weight***	BS EN 1849-1	29kg / 34kg	38kg
Watertightness	BS EN 1928 method a.	PASS	PASS
Tensile strength:**** Longitudinal Transverse Elongation at maximum load: Longitudinal Transverse	BS EN 12311-1   BS EN 12311-1	365 N/50mm 225 N/50mm  2% 4%	405 N/50mm 270 N/50mm  2% 4%
Resistance to tearing:**** Longitudinal Transverse	BS EN 12310-1	135N 125N	175N 175N
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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