



W400

Glass-Fibre Based Shed Felt or Cap Sheet in Pour & Roll Systems

Introduction

W400 is a glass-fibre based, slate covered cap sheet, saturated and coated with oxidised bitumen. The membrane carrier is a glass reinforcement, giving the material good dimensional stability. The upper layer is coated with slate protecting material from ultraviolet exposure and lower layer is finished with fine grained sand.

Product Description

W400 membranes are economical, glass-fibre based materials designed for use in traditional pour and roll multi-layer roofing systems or as single layer waterproofing on shed roofs.

Product Features

- Good low temperature flexibility at -5°C
- Traditionally applied, economical materials
- Nail fixing, cold or hot adhesive/bitumen application
- Available in a choice of colour finishes

Application

W400 materials are generally used to cover sheds, garages and other garden building with overlaps fixed by nailing or glued over with mastic. When applied by traditional pour and roll methods, **W400** should be installed in accordance with BS 8217: 2005 Code of Practice for Reinforced bitumen membranes for roofing, and in accordance with manufacturer recommendations. **W400** membranes are applied on to the previously installed base layer/underlay ensuring that the substrate is clear of any debris or sharp projections, and primers should be used as necessary to prepare the surface for achieving most effective waterproofing longevity.

Hot bitumen should be poured and spread in front of the roll ensuring a continuous coating for the full width. The side and end laps must be maintained at minimum of 8 cm and the cap sheet should be offset 30 cm from the underlay in order to avoid side build up.

Chemical Resistance

W400 is water-resistant and is resistant to watery solutions of salt, diluted non-oxidising acids and bases. Aliphatic and aromatic hydrocarbons, as well as chlorine hydrocarbons, oils and greases may loosen the product and should therefore be avoided.

Harmonised Standard

EN 13707:2004 + A2:2009

Storage

Store in a cool, dry place and protect from direct sunlight.

Health and Safety

Health and Safety should be observed at all times in accordance with HSE and industry guidance. Specific Risk Assessments and Method Statements should be produced by contractors where necessary to ensure Working at Heights, Fire Safety and Manual Handling rules are compliant with current law and regulations.

Availability

Product Name	Colour	Product Code	Roll Dimensions (m)	Weight (kg/m ²)
W400	Grey	TN536924	10 x 1	2.8 (± 0.2)
W400	Green	TN536925	10 x 1	2.8 (± 0.2)

Performance and Key Properties

Properties	Test Method		Declared Performance
Length	-	m	10.0
Width	-	m	1.00
Reinforcement type and weight			Glass-Fibre, 90 g/m ²
Tensile properties: maximum tensile force	EN 12311-1	N/50mm	400/400 (± 100)
Tensile properties: elongation	EN 12311-1	%	2.2/2.2 (± 0.2)
Resistance to tearing (nail)	EN 12310-1	N	110/110 (± 20)
Flow resistance at elevated temperatures	EN 1110	° C	≥ + 70
Flexibility at low temperatures	EN 1109	° C	≤ 5
Watertightness	EN 1928	kPa	10
Water vapour transmission properties	EN 1931	-	μ=20 000
Reaction to fire	EN 13501-5	-	Class E

Quality Assurance

V400 materials are manufactured following ISO 9001: 2008 Quality Management System and Environmental Management System approved to ISO 14001: 2004.